AMENDMENT A1: CAMERAS 5 & 9 HAVE REVISED LOCATIONS, SEE PAGE 3. THE PROVELI BREAKAWAY COUPLER SYSTEM WILL BE INSTALLED AND MEETS MASH STANDARDS.

APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY

Wisconsin Department of Transportation
DT1553 8/2023 Wis. Stat. §§ 66.0831, 84.01(31), 84.08, 85.15, 86.07(2)(a), 86.16, and 182.017

1. Applicant (Utility facility owner) Name and Address
Walworth County SO
1770 County Road NN
Elkhorn, WI 53121

2. Work Start Date: Upon Approval
3. Work Finish Date★: 12/31/2025
4. Is the work due to a WisDOT highway project? ☐ Yes ☒ No
5. Applicant Work Order or Project ID # (If any): 891348 Walworth County SO

6. Public Land Survey System Location (¼ section, section, town, range; **provide plat map**)
Please see page 2

7. Municipal/County Location (List all that apply)
Town: Walworth, Linn, Darien, Lyons, Troy
Village: East Troy
City: Whitewater
County: Walworth

8. Highway (List all that apply)
WIS: 11, 36, 50, 67, 120
US: 12, 14
Interstate: 43

Provide a separate location map if the plat map is not adequate.

9. Facility Type (Check all that apply) and Description (Size, material, voltage, pressure, # fibers, etc.)
☒ Comm: ALPR Camera
☐ Electric:
☐ Gas/Oil:
☐ Water:
☐ Sewer:
☐ Casing:
☐ Conduit:
☐ _____:
☒ Transmission ☐ Service
☐ Distribution ☐ Service (ESCP)

10. Facility Orientation (Check all that apply)
☐ Underground ☐ Overhead
☐ Crossing ☐ Parallel
☐ OSOW high clearance route
☐ Bridge attachment
☐ Scenic easement (Off right-of-way)

11. Work Types (Check all that apply)
☒ New facility ☐ Remove
☐ Joint install ☐ Maintenance
☐ Improve or repair existing ☐ Discontinue, left in place

12. Proposed Work Methods (Check all that apply)
☐ Trench ☐ Plow
☐ Place fill ☐ Rock blasting
☐ Place cable in conduit ☐ Open cut pavement
☒ Hand/mechanical excavation

Bore:
☐ Hydraulic (Auger/Jack/Tunnel)
☐ Pneumatic (Mole)
☐ Directional 1 (Manually tracked)
☐ Directional 2 (Computer tracked)
☐ Unknown (At this time)

Install or attach to poles/towers:
☒ New ☒ Existing ☐ Guys
2.875 (~Diameter) _____ (Name of existing owner)
(Provide details for all guy wires on plan sheets)

Pothole (Subsurface excavation):
☐ Air ☐ Water

Tree/vegetation control:
☐ Cut (Remove) ☐ Plant
☐ Trim (Prune) ☐ Mow
☐ Chemically treat

13. Work Zone Description **(Check all that apply)**. (Provide relevant diagram(s) with application.)
☐ Not applicable
☐ Full road closure: detour
☐ Full road closure: temporary
☐ Lane closure without flagging
☐ Lane closure with flagging
☐ Lane encroachment (2' or less)
☒ Shoulder/parking lane closure
☐ Turn lane closure
☐ Sidewalk or trail closure
☐ Terrace (Area from curb to sidewalk)
☐ Off shoulder/parking lane
☐ Near right-of-way line or fence
☐ Freeway/expressway
☐ Intersection/roundabout
☐ Railroad crossing
☐ Mobile operation

14. Is the facility near a survey monument? HMM 09-15-35
If yes, call (866) 568-2852 or email geodetic@dot.wi.gov.
☐ Yes ☒ No

15. Will appurtenances be installed with the facility? If yes, provide a description and/or specification for each item.
☒ Yes ☐ No

16. Trans 401 category? If non-minor, provide a formal erosion control plan. HMM 09-15-55
☒ Minor ☐ Non-Minor

17. Complete the Environmental Checklist. See HMM 09-15-16 Attachment 1. WisDOT will not review a permit application until a completed Checklist is submitted.
☒ Checklist included

★ **Includes permanent restoration. If the permitted work has not started by the "Work Finish Date," this permit is null and void. If the permitted work has started but has not been completed by the "Work Finish Date," the work shall not be completed unless authorized through an approved written time extension or a subsequent permit.** ***ANY PERMIT ISSUED IS REVOCABLE.***

18. Utility Person Responsible for Construction: Dani Mayberry — Telephone Number: (470) 536-8103
19. Utility or Project 24/7 Emergency Contact: Dani Mayberry — Telephone Number: (470) 536-8103

20. Provide company name and address of utility authorized representative if not employed by the applicant.
Flock Safety
1170 Howell Mill RD NW Suite 210
Atlanta GA 30318

21. Provide additional work details, if needed (use back page or include separate pages)
Installation of 10 ALPR cameras

It is understood and agreed that WisDOT approval is subject to the applicant's full compliance with all pertinent statutes, as well as any regulations and rules of other jurisdictional agencies (which may be more restrictive), any supplemental permit provisions, and WisDOT's *Utility Accommodation Policy*, current edition.

Captain Robert J. Hall #2966 — 03/26/2025
(Utility Authorized Representative Signature – If electronic, use brush script font or e-signature software) (Date)
Captin — (262) 741-4441 — rhall1@co.walworth.wi.us
(Title) (Telephone Number) (Email Address)

This permit does not transfer any land, or give, grant or convey any land right, right in land, or easement in WisDOT right-of-way. It is not assignable or transferrable. If the utility facility changes ownership, this permit terminates. The new owner must then obtain a permit to occupy, operate and maintain the facility in WisDOT right-of-way.

⬇ Completed by Wisconsin Department of Transportation – REVIEW AFTER PERMIT ISSUANCE ⬇

☒ **UTILITY SHALL NOTIFY WISDOT REPRESENTATIVE LISTED BELOW 3 DAYS BEFORE STARTING ANY WORK:**
Region contact, office address, telephone number and email address
Chue Hang, Utility Permit Engineer
Wisconsin DOT
Southeast Region
141 NW Barstow St
Waukesha, WI 53187
seutilitypermits@dot.wi.gov (262) 521-4461

4822 Madison Yards Way, 5th Floor South, Madison, WI 53705 kathy.jennings@dot.wi.gov (608) 261-8976
(Bureau of Highway Maintenance Contact Information)

☒ **Review All Supplemental Permit Provisions**
☒ **Revisions Made to Drawings or Other Pages**
☒ Lane Closure System notification required
☐ Insurance or performance bond required
☐ Joint installation: See permit(s) #_____
☐ Private utility (Non-public ownership and/or use)
☐ Expedited Service Connection Permit
☐ This permit voids & supersedes #_____ issued:_____
☐

Kathy Jennings
(WisDOT Authorized Representative Signature – If electronic, use brush script font or e-signature software)

Application Received	02/17/2025
Application Completed	03/26/2025
Permit Issued	03/27/2025
Permit Extended	
Permit Amended	08/28/2025
Permit Number	001749-A1

APPLICATION/PERMIT TO CONSTRUCT, OPERATE AND MAINTAIN UTILITY FACILITIES ON HIGHWAY RIGHT-OF-WAY *(continued)*

Wisconsin Department of Transportation DT1553

Use this section to provide information that does not fit on front page

Cam 1: SE¼ of the SE¼ ofSection 36Township 2 North, Range 18 East
Cam 2: NE¼ of the NW¼ ofSection 07Township 4 North, Range 15 East
Cam 3: NE¼ of the SW¼ ofSection 36Township 1 North, Range 18 East
Cam 4: NE¼ of the NW¼ ofSection 06Township 4 North, Range 17 East
Cam 5: (rev) NW¼ of the SW¼ ofSection 34Township 1 North, Range 16 East
Cam 6: NW¼ of the SW¼ ofSection 36Township 1 North, Range 17 East
Cam 7: NW¼ of the NW¼ ofSection 07Township 2 North, Range 15 East
Cam 8: NW¼ of the SE¼ ofSection 01Township 2 North, Range 18 East
Cam 9 (revised) NW¼ of the NE¼ ofSection 06Township 44 North, Range 2 West
Cam 10: SW¼ of the NW¼ ofSection 21Township 4 North, Range 18 East

INDEMNIFICATION

This Applicant shall save and hold the State, its officers, employees, agents, and all private and governmental contractors and subcontractors with the State under Chapter 84 Wisconsin Statutes harmless, as allowed by Wisconsin law, from actions of any nature whatsoever (including any by Applicant itself) which arise out of, or are connected with, or are claimed to arise out of or be connected with any of the work done by the Applicant, or the construction or maintenance of facilities by the Applicant, pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way, (1) while the Applicant is performing its work, or (2) while any of the Applicant's property, equipment, or personnel, are in or about such place or the vicinity thereof, or (3) while any property constructed, placed or operated by or on behalf of Applicant remains on the State's property or right-of-way pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way; including without limiting the generality of the foregoing, all liability, damages, loss expense, claims, demands and actions on account of personal injury, death or property loss to the State, its officers, employees, agents, contractors, subcontractors or frequenters; to the Applicant, its employees, agents, contractors, subcontractors, or frequenters; or to any other persons, whether based upon, or claimed to be based upon, statutory (including, without limiting the generality of the foregoing, worker's compensation), contractual, tort, or whether or not caused or claimed to have been caused by active or inactive negligence or other breach of duty by the State, its officers, employees, agents, contractors, subcontractors or frequenters; Applicant, its employees, agents, contractors, subcontractors or frequenters; or any other person.

Without limiting the generality of the foregoing, the liability, damage, loss, expense, claims, demands and actions indemnified against shall include all liability, damage, loss, expense, claims, demands and actions for damage to any property, lines or facilities placed by or on behalf of the Applicant pursuant to this permit or any other permit issued by the State for location of property, lines or facilities on highway right-of-way in the past or present, or that are located on any highway or State property or right-of-way with or without a permit issued by the State, for any loss of data, information, or material; for trademark, copyright or patent infringement; for unfair competition or infringement of personal or property rights of any kind whatever. The Applicant shall at its own expense investigate all such claims and demands, attend to their settlement or other disposition, defend all actions based thereon and pay all charges of attorneys and all other costs and expenses of any kind arising from any such liability, damage, loss, claims, demands and actions.

Any transfer, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit shall not release Applicant from any of the indemnification requirements of this permit, unless the State is notified of such transfer in writing. Any acceptance by any other person or entity, whether voluntary or involuntary, of ownership or control of any property constructed, placed or operated by or on behalf of the Applicant that remains on the State's property or right-of-way pursuant to this permit, shall include acceptance of all of the indemnification requirements of this permit by the other person or entity receiving ownership or control.

1749 Cam#5 REVISED LOCATION
US Hwy 14
1749 Cam #5 OLD LOCATION

1749 Cam#9 REVISED LOCATION
1749 Cam #9 OLD LOCATION

SUPPLEMENTAL PERMIT PROVISIONS
Automated License Plate Reader Cameras

PROJECT DESCRIPTION. The applicant is installing automated license plate reader (ALPR) cameras within state highway right-of-way as an aid in preventing and solving crimes. The use of the cameras is considered a communications-type utility and is allowed under WisDOT's Utility Accommodation Policy HMM 09-15-65, 4.1.

1. **LEGAL USE.** Surveillance cameras shall only be used as allowed by Wisconsin statutes. For example, the use of cameras is currently *prohibited* to enforce red light running at traffic signals.

2. **REVOCATION BY WisDOT.** WisDOT may revoke this permit if its own use or sale of the right-of-way (ROW) would be facilitated by relocation of applicant's facility and shall provide applicant with written notice a minimum of one year prior to such revocation. During this period, WisDOT shall work with applicant to find a suitable replacement area on ROW near the terminated location. WisDOT shall not compensate applicant to move its facility within the ROW in keeping with WisDOT's policy on compensable and non-compensable utility facility moves. If it is necessary to maintain uninterrupted service, applicant shall be allowed to temporarily locate in WisDOT ROW at a mutually acceptable location for up to 180 days during the relocation of its facilities to the permanent site.

3. **PERMIT TERM.** This permit is valid for as long as applicant continues to own, operate and maintain its facilities within WisDOT ROW in accordance with the terms of its permit and WisDOT's Utility Accommodation Policy.

4. **TERMINATION BY PERMITTEE.** The applicant may terminate this permit upon 30 days written notice to WisDOT. Upon such termination, applicant shall remove its facility from the ROW unless WisDOT notifies applicant that WisDOT will take over operation and maintenance of the facility for its own traffic operations.

5. **WORK RESTRICTIONS.** The applicant is authorized to work on weekdays between sunrise and sunset. Weekend work may be allowed upon prior approval from WisDOT. No work shall be done, and all work zone traffic control shall be removed, when the pavement is covered with ice or snow, or during winter maintenance pavement brining applications, salt spreading, or plowing operations.

6. **WORK ZONE TRAFFIC CONTROL (WZTC).** All WZTC shall be in accordance with the Wisconsin Manual on Uniform Traffic Control Devices or the Work Zone Field Manual. All materials and equipment shall remain off the roadway. Traffic Control shall not encroach on the travel lane. The use of law enforcement to block a traffic lane is an acceptable use of WZTC for short-duration installations as long as it is not on an interstate, freeway or expressway.

7. **LANE CLOSURE SYSTEM NOTIFICATION.** To satisfy LCS requirements for WisDOT's 511 System, applicant shall notify WisDOT a minimum of ***seven calendar days*** prior to ***any lane or shoulder closure***. applicant may use the LCS Notification Worksheet (HMM 09-15-60 Attachment 3) if needed and submit it to WisDOT's the Region Utility Permit Coordinator (also listed on page 1 of the dt1553) for review. WisDOT may revise the information, but applicant shall enter it into LCS unless notified by WisDOT that it will perform the entries. For **emergency** situations when any type of shoulder, lane, or road closure is required, applicant shall call WisDOT's Traffic Management Center at 800-375-7302.

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION TO WISDOT

Closure type **with** height, weight, or width restrictions (available width, all lanes in one direction **< 16'**)	MINIMUM NOTIFICATION
Lane and shoulder closures	7 calendar days
Full roadway closures	7 calendar days
Ramp closures	7 calendar days
Detours	7 calendar days
Closure type without height, weight, or width restrictions (available width, all lanes in one direction ≥16')	**MINIMUM NOTIFICATION**
Shoulder closures	3 calendar days
Lane closures	3 business days
Ramp closures	3 business days
Modifying all closure types	3 business days

8. **WORK AREA PROTECTION DURING NON-WORK TIMES.** The applicant shall store its equipment and materials off the ROW during non-work times if possible. If necessary, applicant may store its equipment and materials on the ROW provided they are placed as close to the ROW line as possible and outside the clear zone. Do not park vehicles, store materials, or place signs/devices on a pedestrian facility that remains open to the public. The applicant shall ensure that any excavation left open during non-work times is well marked and secured from public intrusion.

9. **PEDESTRIAN ACCOMMODATIONS**. If any proposed utility work will impact a pedestrian facility, make appropriate accommodations for all pedestrians, including those who are visually impaired or must use a personal assistive mobile device (wheelchair, scooter, etc.), in accordance with the Americans with Disabilities Act (ADA) of 1990. Reference the Facilities Development Manual 11-50-31 for additional temporary pedestrian accommodation guidance. Use materials conforming to Section 644 of WisDOT's Standard Specifications for temporary pedestrian accommodations.

   Assist pedestrians and those persons in wheelchairs or other personal assistive mobility devices as needed to safely navigate the work area. The contractor shall either keep the existing path/sidewalk open, safe, and clean for pedestrians or provide alternative temporary accommodations that comply with the FDM and SDD 15D30 and the Work Zone Field Manual.

10. **ROW RESTORATION.** The applicant shall restore any WisDOT ROW disturbed to its original (as best as practical) condition within **two weeks** after installing its facilities. WisDOT may allow time extensions for restoration in the case of inclement weather, poor soil conditions, or if applicant's operations would track over the same disturbed areas – provided that proper erosion control devices are in place to protect the disturbed areas.

    Should future maintenance work on applicant's facilities result in the disturbance of the existing ROW, applicant shall restore the ROW to its original condition as soon as possible. The basic drainage pattern of the highway shall remain undisturbed by the permitted work. Upon project completion, all spoils, debris, refuse, and waste resulting from the permitted work shall be removed from the work site.

11. **DOCUMENTATION.** Send pictures of completed installations to DOT CO ROW Permits and the WisDOT Region Utility Permit Coordinator (also listed on page 1 of the dt1553).

12. **CONSTRUCTION NOTIFICATIONS.** The applicant shall contact the WisDOT Region Utility Permit Coordinator (also listed on page 1 of the dt1553) at least three working days prior to the start of construction. applicant shall call Diggers' Hotline 800-242-8511 at least three working days prior to the start of any excavation. applicant shall provide WisDOT with the names and telephone numbers of the people in charge of its field operations. This includes people who are responsible for the overall project or separate crews and includes any contractors hired by applicant.

13. **LONGITUDINAL & VERTICAL LOCATION**. The applicant shall place its facilities as shown on the approved permit drawings. Deviations from this location may be allowed but shall first be approved by WisDOT. Revised plan sheets showing the approved deviations should be sent to WisDOT after completion. Proposed pole locations shall be a minimum of 10 ft from existing poles and signs.

    The product (pole/panel/camera) labeled as the "X-squared Breakaway System" was tested and the results meet the appropriate AASHTO MASH evaluation criteria and may be located within the clear zone as approved by WisDOT.

14. **EROSION CONTROL.** A formal erosion control plan is not required if applicant can perform construction in accordance with HMM 09-15-55 and Trans 401. However, if any excavation remains open for more than 24 hours, then a formal erosion control plan shall be submitted to WisDOT and this provision revised accordingly. In either case, applicant shall use the appropriate erosion control best management practices (BMPs) to contain soil directly at the site to prevent disturbed soil from getting into nearby waterways and wetlands. Storm sewer and pipe underdrain inlets shall be protected with filter fabric if necessary.

    All appropriate erosion control BMPs shall be in place **prior to starting construction activities**. Temporary seeding shall be used as necessary after rough grading and before project completion. applicant shall ensure that erosion control measures used to protect restored areas remain in place until replacement vegetation achieves sustained growth. Rutting due to vehicle or equipment tracks shall be smoothed out at the end of each day. applicant shall take every precaution necessary to prevent mud, dirt, or other debris from being deposited onto a travel lane or shoulder. Any materials deposited on the pavement shall be promptly removed.

15. **PERMIT AT SITE.** During the performance of work described in this permit, applicant and/or its contractor(s) or subcontractor(s) shall have a fully signed and executed copy of the permit on site, **which may in electronic format**. Failure to do so may cause a temporary shutdown of the work. Repeated offenses may cause this permit to become null and void and if so, the work shall not be completed unless authorized through a subsequent permit.

This permit is subject to the attached drawings, these supplemental provisions, and WisDOT's *Utility Accommodation Policy*. New supplemental provisions may be added, or the existing ones deleted or amended in the future as different issues arise during the installation, operation, and maintenance of the permittee's facilities.

Lane Closure System (LCS) Notification Worksheet

Permittee will enter the data into the LCS

General Section:

1. Permit Number
2. General Description (brief description of the type of work)
3. County (Begin/End if different)
4. Highway/Direction
5. Primary Contact (WisDOT Regional Utility Permit Coordinator) – *Required*
6. Emergency Traffic Control Contractor Contact (name/number - 24 hour contact) – *Required*
7. Contractor Contact (such as contractor or utility name/number) – *Required*
8. Law Enforcement Contact (if applicable)
9. Other Contact (other WisDOT contact names if applicable)

Each Facility:

1. Facility Type (mainline, ramp, system interchange)
2. Closure/Roadway Status (Full closure, Lane/shoulder closure, Flagging operations, One lane road, One lane road temporary signal, Moving lane closure, Rolling full closure)
3. Duration (daily/nightly, weekly, continuous)
4. Begin/End Date
5. Begin/End Time
6. Begin/End Location
7. Oversize/Overweight Restrictions (height, width, weight restrictions if applicable)
8. Detour Route (if applicable)

LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348

PERMITTING JURISDICTION:

WISCONSIN DEPARTMENT OF TRANSPORTATION

WISCONSIN DOT
FLOCK SAFETY

ON BEHALF OF

WALWORTH COUNTY SHERIFF'S OFFICE

CONTACT LIST

PERMITTING

DANI MAYBERRY
DANI.MAYBERRY@FLOCKSAFETY.COM

PROJECT MANAGER

ALEXANDRA CATOZZI
ALEXANDRA.CATOZZI@FLOCKSAFETY.COM

SEE APPROVED PERMIT FOR LISTED INSPECTOR

DRAWING INDEX

T.01 - T.02	COVER SHEET & LOCATION MAPS
GN.01	GENERAL NOTES
A.01 - A.10	PLAN DRAWINGS
SPEC.01 - SPEC.07	EQUIPMENT & FOUNDATION DETAILS

811

SAFETY IS IN YOUR HANDS.
EVERY DIG. EVERY TIME.

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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	01/22/2025	SWB	PRELIM

I HEARBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

WISCONSIN
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD
CA
PROFESSIONAL ENGINEER

3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

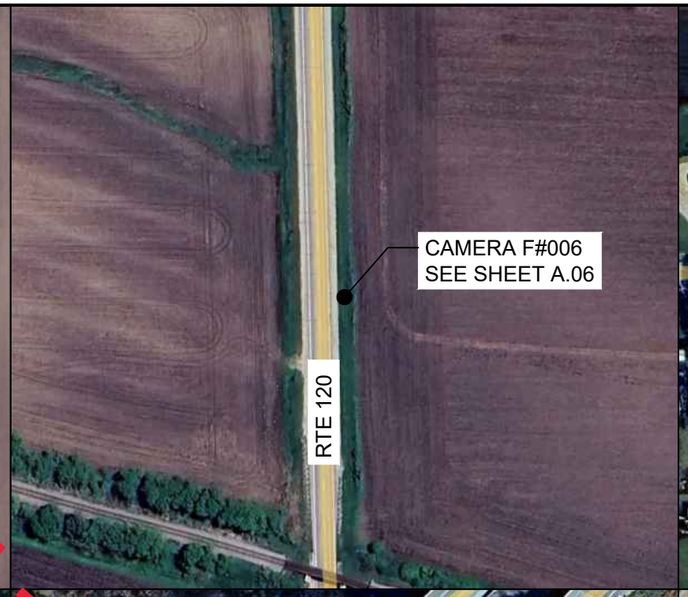
CASE NUMBER: 891348
PERMITTING JURISDICTION:
WISCONSIN DEPARTMENT OF TRANSPORTATION

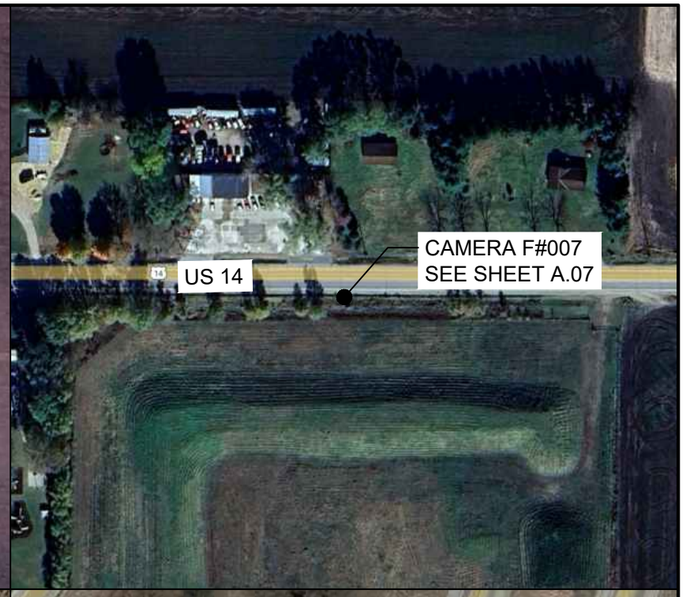
COVER SHEET & LOCATION MAPS

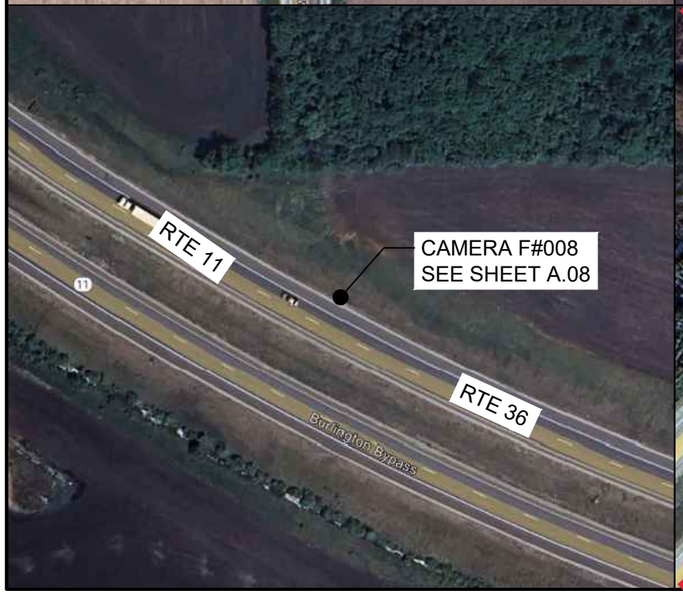
SHEET:	REV:
T.01	0

THIS DOCUMENT HAS BEEN DRAWN BASED OFF THE MOST RECENT AVAILABLE DATA & AERIAL IMAGERY. THIS INCLUDES RIGHT OF WAY, EXISTING UTILITIES, & PRIVATE PROPERTY LINES. IT REMAINS THE RESPONSIBILITY OF OTHERS TO VERIFY ALL DATA PRIOR AND EXISTING SURRONDING FACILITIES TO VERIFY & CONFLICTS ABOVE & BELOW GRADE. ALL CONSTRUCTION TO FOLLOW WISCONSIN DEPARTMENT OF TRANSPORTATION GENERAL GUIDELINES. DO NOT SCALE DRAWINGS. CALL 811 PRIOR TO DIGGING.

ADDTIONAL VICINITY MAPS







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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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-	-	-	-
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-	-	-	-
-	-	-	-
0	01/22/2025	SWB	PRELIM

I HEARBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

WISCONSIN
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD
CA
PROFESSIONAL ENGINEER

3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION: WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
T.02	0

THIS DOCUMENT HAS BEEN DRAWN BASED OFF THE MOST RECENT AVAILABLE DATA & AERIAL IMAGERY. THIS INCLUDES RIGHT OF WAY, EXISTING UTILITIES, & PRIVATE PROPERTY LINES. IT REMAINS THE RESPONSIBILITY OF OTHERS TO VERIFY ALL DATA PRIOR AND EXISTING SURRONDING FACILITIES TO VERIFY & CONFLICTS ABOVE & BELOW GRADE. ALL CONSTRUCTION TO FOLLOW WISCONSIN DEPARTMENT OF TRANSPORTATION GENERAL GUIDELINES. DO NOT SCALE DRAWINGS. CALL 811 PRIOR TO DIGGING.

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WALWORTH COUNTY SHERIFF'S OFFICE LICENSE PLATE READER INSTALLATION

JURISDICTION:

WISCONSIN DEPARTMENT OF TRANSPORTATION

SITE IDENTIFICATION

WALWORTH COUNTY
SHERIFF'S OFFICE
1770 COUNTY ROAD NN,
ELKHORN, WI 53121
(262) 903-1666

flock safety™

FLOCK SAFETY
1170 HOWELL MILL ROAD NW
SUITE 210
ATLANTA, GA 30318
PERMIT@FLOCKSAFETY.COM
415-669-0341

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601 PHONE: (984) 275-3890
ATTN.: HEATHER THAYER, P.E.

PROJECT TEAM

INSTALLATION OF NEW POLE IN EXISTING RIGHT OF WAY SUPPORTING LICENSE PLATE READER CAMERA FOR THE WALWORTH COUNTY SHERIFF'S OFFICE.

PROJECT SUMMARY

VICINITY MAP

SHEET INDEX

SHEET #	SHEET TITLE	DRAWN BY
T.01	TITLE SHEET	TLW
T.02	SYMBOLOGY AND ABBREVIATIONS	TLW
S.01	SITE PLANS	TLW
D.01–D.05	EQUIPMENT AND FOUNDATION DETAILS	TLW
TC.01	TRAFFIC CONTROL PLANS	TLW

811 Know what's below. Call before you dig.

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PROJECT INFORMATION:

WALWORTH COUNTY
SHERIFF'S OFFICE
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
421 FAYETTEVILLE STREET,
SUITE 600,
RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

REV: DATE: ISSUED FOR: BY:

8			
7			
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0	07/07/25	PERMITTING	MRD

LICENSER:

WISCONSIN
HEATHER W. THAYER
50169-6
RALEIGH, NC
PROFESSIONAL ENGINEER
07/22/25

KHA PROJECT NUMBER:

014681002.1.100

DRAWN BY: TLW CHECKED BY: HT

SHEET TITLE:

TITLE SHEET

SHEET NUMBER:

T.01

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WALWORTH COUNTY SHERIFF'S OFFICE LICENSE PLATE READER INSTALLATION

JURISDICTION:

WISCONSIN DEPARTMENT OF TRANSPORTATION

SITE IDENTIFICATION

WALWORTH COUNTY
SHERIFF'S OFFICE
1770 COUNTY RD NN,
ELKHORN, WI 53121
(262) 741-4400

flock safety

FLOCK SAFETY
1170 HOWELL MILL ROAD NW
SUITE 210
ATLANTA, GA 30318
PERMIT@FLOCKSAFETY.COM
415-669-0341

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
421 FAYETTEVILLE STREET, SUITE 600
RALEIGH, NC 27601 PHONE: (984) 275-3890
ATTN.: HEATHER THAYER, P.E.

PROJECT TEAM

INSTALLATION OF NEW POLE IN EXISTING RIGHT OF WAY SUPPORTING LICENSE PLATE READER CAMERA FOR THE WALWORTH COUNTY SHERIFF'S OFFICE.

PROJECT SUMMARY

VICINITY MAP

SHEET INDEX

SHEET #	SHEET TITLE	DRAWN BY
T.01	TITLE SHEET	TLW
T.02	SYMBOLOGY AND ABBREVIATIONS	TLW
S.01	SITE PLANS	TLW
D.01–D.03	EQUIPMENT AND FOUNDATION DETAILS	TLW
TC.01	TRAFFIC CONTROL PLANS	TLW

811 Know what's below. Call before you dig.

flock safety™

PROJECT INFORMATION:

WALWORTH COUNTY
SHERIFF'S OFFICE
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
421 FAYETTEVILLE STREET,
SUITE 600,
RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

REV: DATE: ISSUED FOR: BY:

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1			
0	07/07/25	PERMITTING	MRD

LICENSER:

WISCONSIN
HEATHER W. THAYER
50169-6
RALEIGH, NC
PROFESSIONAL ENGINEER
07/25/25

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY: TLW CHECKED BY: HT

SHEET TITLE:
TITLE SHEET

SHEET NUMBER:
T.01

K:\RAL_Wireless\Flock\WI\1115697\1 - KHATL - 1115697 - FLOCK - CDs\CASE#1115697_FLOCK CD.dwg ---- 07/10/25 12:40 PM by: Robert.Giesen

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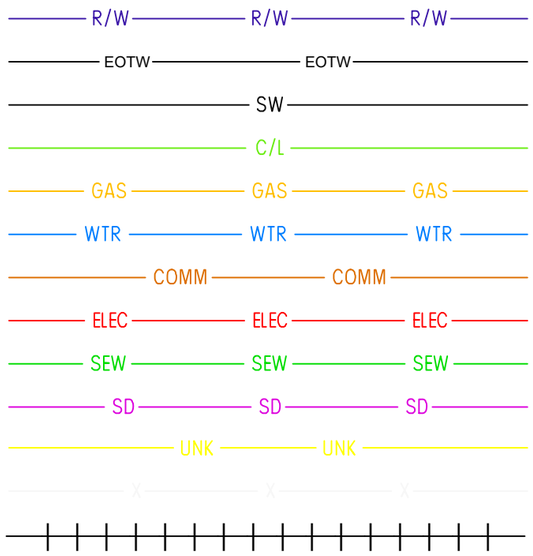
GENERAL NOTES:

1. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS AND FLOCK SAFETY PROJECT SPECIFICATIONS.
2. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
3. THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR ARE TO BE RESPONSIBLE FOR VERIFYING EXISTING SITE CONDITIONS, DIMENSIONS, AND THE LOCATION OF BURIED UTILITIES AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF WORK. NO CLAIMS FOR EXTRA COMPENSATION FOR WORK RESULTING FROM CONFLICTS AND OMISSIONS WHICH COULD HAVE BEEN DISCOVERED BY FIELD VERIFICATION AND INSPECTION, WHETHER INDICATED IN THE CONTRACT DOCUMENTS OR NOT WILL BE ENTERTAINED OR PAID.
4. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
5. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
6. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
7. PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
8. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFIRM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
10. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
11. FLOCK SAFETY AND CONTRACTOR ARE SOLELY RESPONSIBLE FOR DETERMINATION AND CONFIRMATION THAT THE PROPOSED POLE LOCATION IS WITHIN THE PUBLIC RIGHT OF WAY SITE PLAN AND ALL REPRESENTATION OF RIGHT OF WAY PROPERTY LINES ARE APPROXIMATE BY NATURE AND HAVE BEEN PRODUCED WITHOUT THE BENEFIT OF A PROFESSIONAL LAND SURVEY.

TRAFFIC CONTROL NOTES:

1. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH APPLICABLE LAYOUTS FROM THE MOST RECENT VERSION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT) WISCONSIN WORK ZONEFIELD MANUAL (HTTPS://WISCONSINDOT.GOV/DTSDMANUALS/TRAFFIC-OPS/MANUALS-AND-STANDARDS/WZFM/WZFM.PDF) AND IN ACCORDANCE WITH THE WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD).
2. CONTRACTOR SHALL MEET THE TRAFFIC CONTROL DEVICE QUALITY STANDARDS AS REQUIRED IN THE FIELD MANUAL AND SHALL IMMEDIATELY REPLACE UNACCEPTABLE TRAFFIC CONTROL DEVICES. SIGNS THAT ARE DIRTY AND RESULT IN A NOTICEABLE LOSS OF REFLECTIVITY AT NIGHT ARE CONSIDERED UNACCEPTABLE AND MUST BE CLEANED OR REPLACED.
3. CONTRACTOR SHALL RESPOND PROMPTLY TO ANY CALL FROM THE ENGINEER CONCERNING THE NOTIFICATION OF UNACCEPTABLE TRAFFIC CONTROL DEVICES.
4. LAYOUTS FROM THE WISCONSIN WORK ZONE FIELD MANUAL ANTICIPATED TO BE UTILIZED, BUT MAY NOT BE FULLY INCLUSIVE OF ALL APPLICABLE LAYOUTS, INCLUDE LAYOUT 6, 15, 38, 52, 53 AND 71.

LINETYPES



RIGHT OF WAY
EDGE OF THRUWAY
SIDEWALK
CENTERLINE
GAS
WATER
TELEPHONE
ELECTRIC
SANITARY SEWER (SEW)
STORM DRAIN
UNKNOWN UTILITY
FENCE / GUARD RAIL
RAILROAD

SYMBOLOGY

CAMERA - EXISTING
CAMERA - PROPOSED
POLE - PROPOSED
POLE - EXISTING

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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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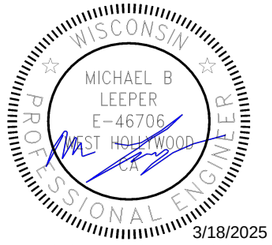

3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION:
WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
GN.01	0

THIS DOCUMENT HAS BEEN DRAWN BASED OFF THE MOST RECENT AVAILABLE DATA & AERIAL IMAGERY. THIS INCLUDES RIGHT OF WAY, EXISTING UTILITIES, & PRIVATE PROPERTY LINES. IT REMAINS THE RESPONSIBILITY OF OTHERS TO VERIFY ALL DATA PRIOR AND EXISTING SURRONDING FACILITIES TO VERIFY & CONFLICTS ABOVE & BELOW GRADE. ALL CONSTRUCTION TO FOLLOW WISCONSIN DEPARTMENT OF TRANSPORTATION GENERAL GUIDELINES. DO NOT SCALE DRAWINGS. CALL 811 PRIOR TO DIGGING.

FLOCK LOCATION DETAILS

LOCATION NAME: F#001 Route 50 @ Eastside (WB)
GEOGRAPHIC COORDINATES: 42.581727,-88.306599
DISTANCE FROM EOP: 13'

PROVELI BREAKAWAY SYSTEM

PROPOSED FLOCK EQUIPMENT ON ~~X SQUARED REDI-TORQUE POLE~~
REFERENCE DETAILS SEE: SPEC. 01, 1-3 ON SPEC. 02

SPEED LIMIT	55 MPH
ADT	14000 VPD
FORESLOPE	1:6
CLEAR ZONE	22-24 FT

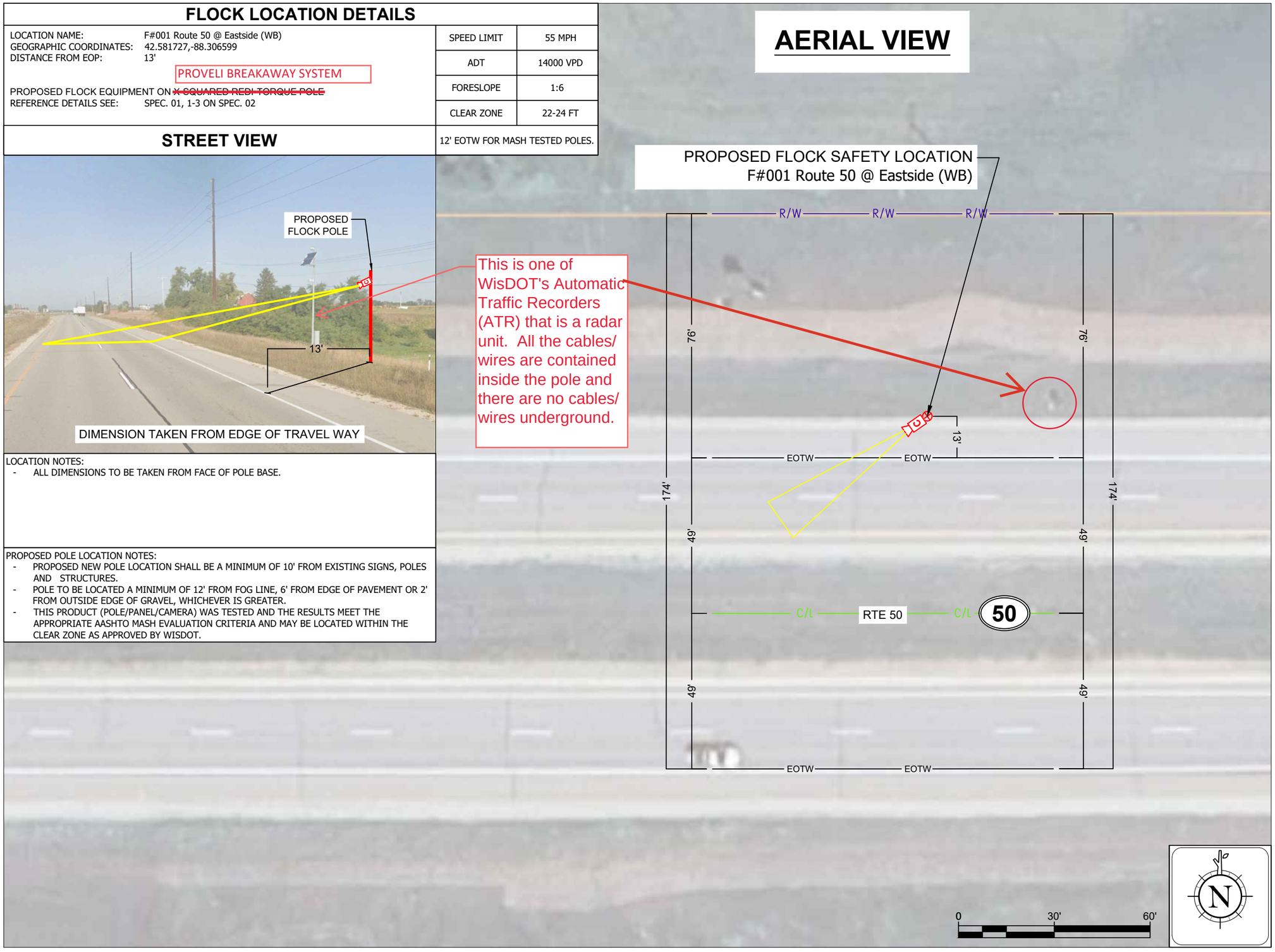
12' EOTW FOR MASH TESTED POLES.

STREET VIEW

LOCATION NOTES:
- ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.

PROPOSED POLE LOCATION NOTES:
- PROPOSED NEW POLE LOCATION SHALL BE A MINIMUM OF 10' FROM EXISTING SIGNS, POLES AND STRUCTURES.
- POLE TO BE LOCATED A MINIMUM OF 12' FROM FOG LINE, 6' FROM EDGE OF PAVEMENT OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER.
- THIS PRODUCT (POLE/PANEL/CAMERA) WAS TESTED AND THE RESULTS MEET THE APPROPRIATE AASHTO MASH EVALUATION CRITERIA AND MAY BE LOCATED WITHIN THE CLEAR ZONE AS APPROVED BY WISDOT.

AERIAL VIEW



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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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WISCONSIN
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
PROFESSIONAL ENGINEER
3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION: WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
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FLOCK LOCATION DETAILS

LOCATION NAME: F#002 12 SOUTH OF WALWORTH SB
GEOGRAPHIC COORDINATES: 42.825114,-88.769120
DISTANCE FROM EOP: 21'

PROVELI BREAKAWAY SYSTEM

PROPOSED FLOCK EQUIPMENT ON ~~X-SQUARED REDI-TORQUE POLE~~
REFERENCE DETAILS SEE: SPEC. 01, 1-3 ON SPEC. 02

SPEED LIMIT	55 MPH
ADT	3800 VPD
FORESLOPE	1:6
CLEAR ZONE	20-22 FT
12' EOTW FOR MASH TESTED POLES.	

STREET VIEW

LOCATION NOTES:
- ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.

PROPOSED POLE LOCATION NOTES:
- PROPOSED NEW POLE LOCATION SHALL BE A MINIMUM OF 10' FROM EXISTING SIGNS, POLES AND STRUCTURES.
- POLE TO BE LOCATED A MINIMUM OF 12' FROM FOG LINE, 6' FROM EDGE OF PAVEMENT OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER.
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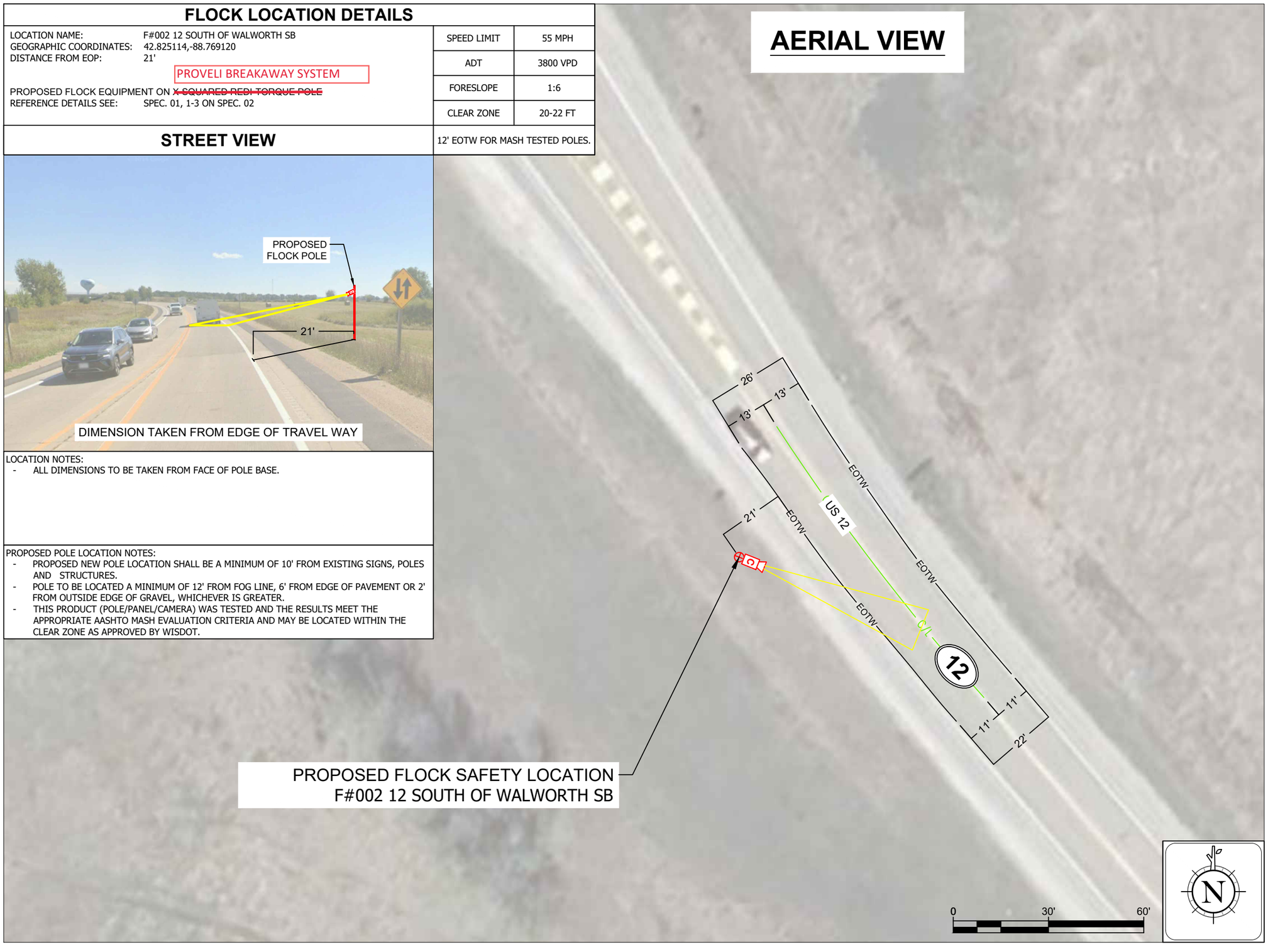
AERIAL VIEW



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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

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WISCONSIN PROFESSIONAL ENGINEER
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION: WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
A.02	0

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FLOCK LOCATION DETAILS

LOCATION NAME: F#003 Route 12 approaching County Rd. B NB
GEOGRAPHIC COORDINATES: 42.499880,-88.316466
DISTANCE FROM EOP: 13'

PROVELI BREAKAWAY SYSTEM

PROPOSED FLOCK EQUIPMENT ON ~~X-SQUARED REDI-TORQUE POLE~~
REFERENCE DETAILS SEE: SPEC. 01, 1-3 ON SPEC. 02

SPEED LIMIT	70 MPH
ADT	16400 VPD
FORESLOPE	1:6
CLEAR ZONE	30-34 FT
12' EOTW FOR MASH TESTED POLES.	

STREET VIEW

LOCATION NOTES:
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PROPOSED POLE LOCATION NOTES:
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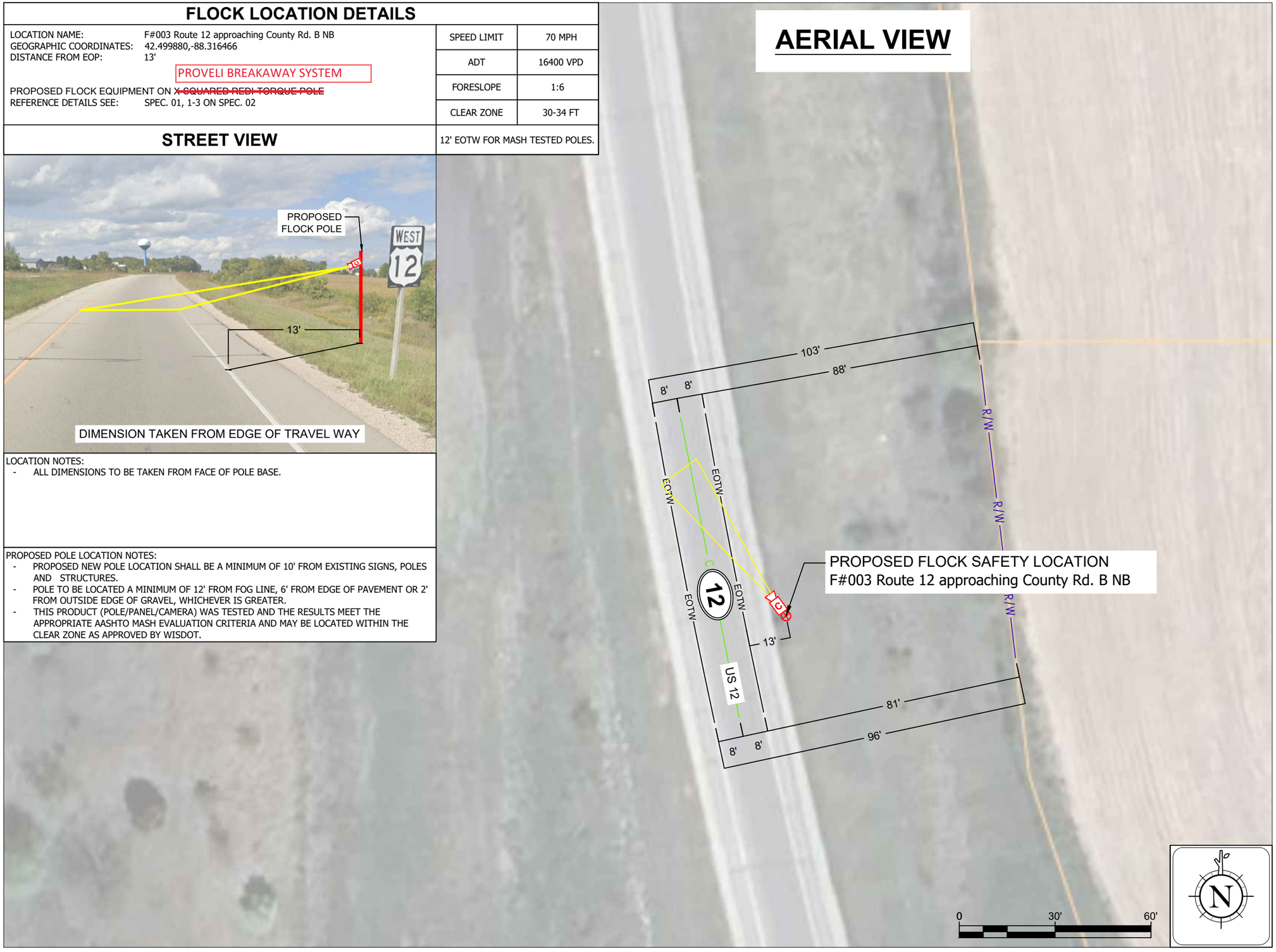
AERIAL VIEW



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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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WISCONSIN
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
PROFESSIONAL ENGINEER
3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION: WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
A.03	0

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FLOCK LOCATION DETAILS

LOCATION NAME: F#004 67 @ County Line SB
GEOGRAPHIC COORDINATES: 42.840777,-88.535788
DISTANCE FROM EOP: 18'

PROVELI BREAKAWAY SYSTEM

PROPOSED FLOCK EQUIPMENT ON 12'-0" FLOCK POLE
REFERENCE DETAILS SEE: SPEC. 04, 1-2 ON SPEC. 05

SPEED LIMIT	55 MPH
ADT	2800 VPD
FORESLOPE	1:6
CLEAR ZONE	20-22 FT

12' EOTW FOR MASH TESTED POLES.

STREET VIEW

LOCATION NOTES:
- ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.

PROPOSED POLE LOCATION NOTES:
- PROPOSED NEW POLE LOCATION SHALL BE A MINIMUM OF 10' FROM EXISTING SIGNS, POLES AND STRUCTURES.
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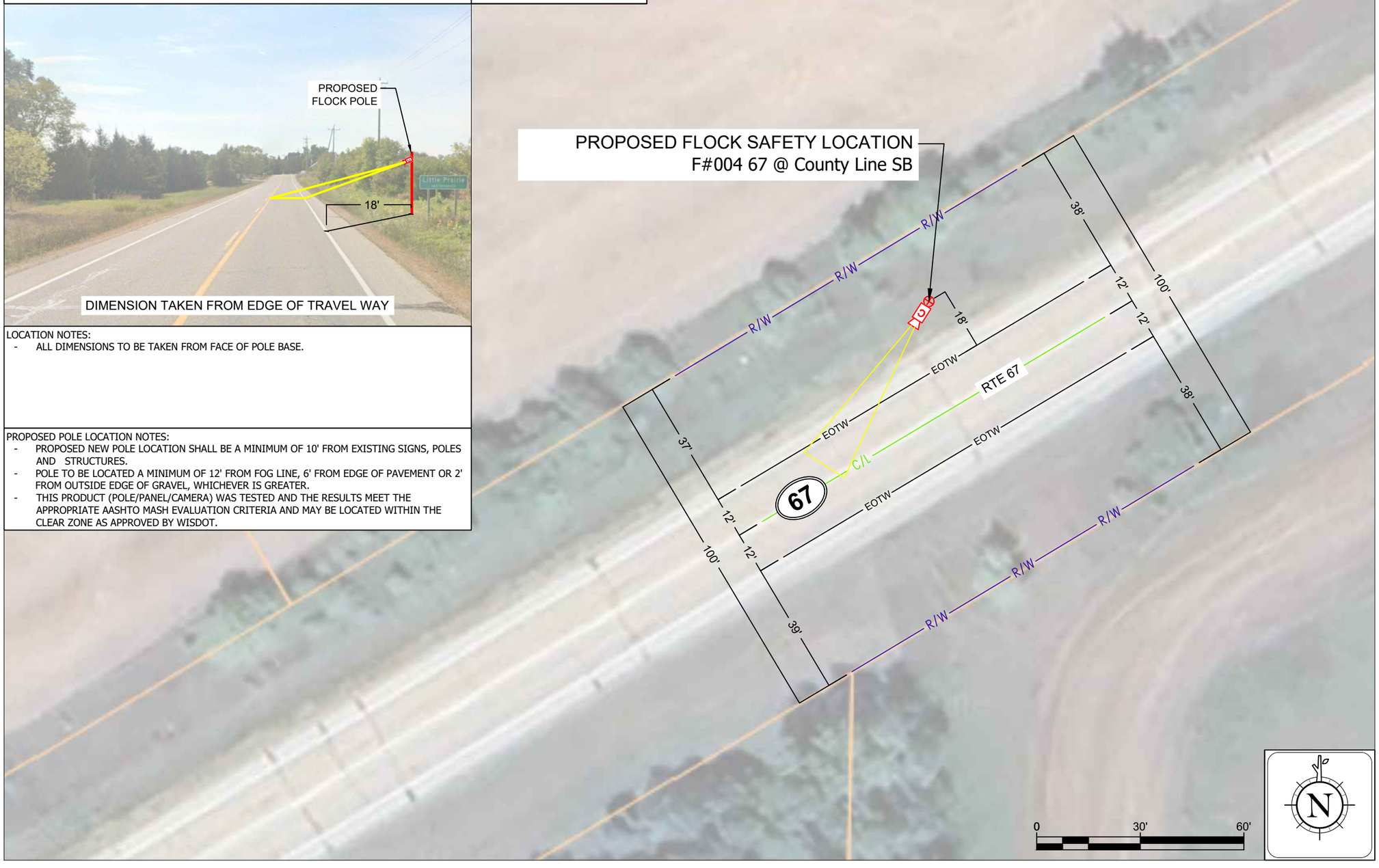
- THIS PRODUCT (POLE/PANEL/CAMERA) WAS TESTED AND THE RESULTS MEET THE APPROPRIATE AASHTO MASH EVALUATION CRITERIA AND MAY BE LOCATED WITHIN THE CLEAR ZONE AS APPROVED BY WISDOT.

AERIAL VIEW

PROPOSED FLOCK SAFETY LOCATION
F#004 67 @ County Line SB



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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

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I HEARBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

WISCONSIN
MICHAEL B
LEEPER
E-46706
WEST HOLLYWOOD
CA
PROFESSIONAL ENGINEER

3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION:
WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
A.04	0

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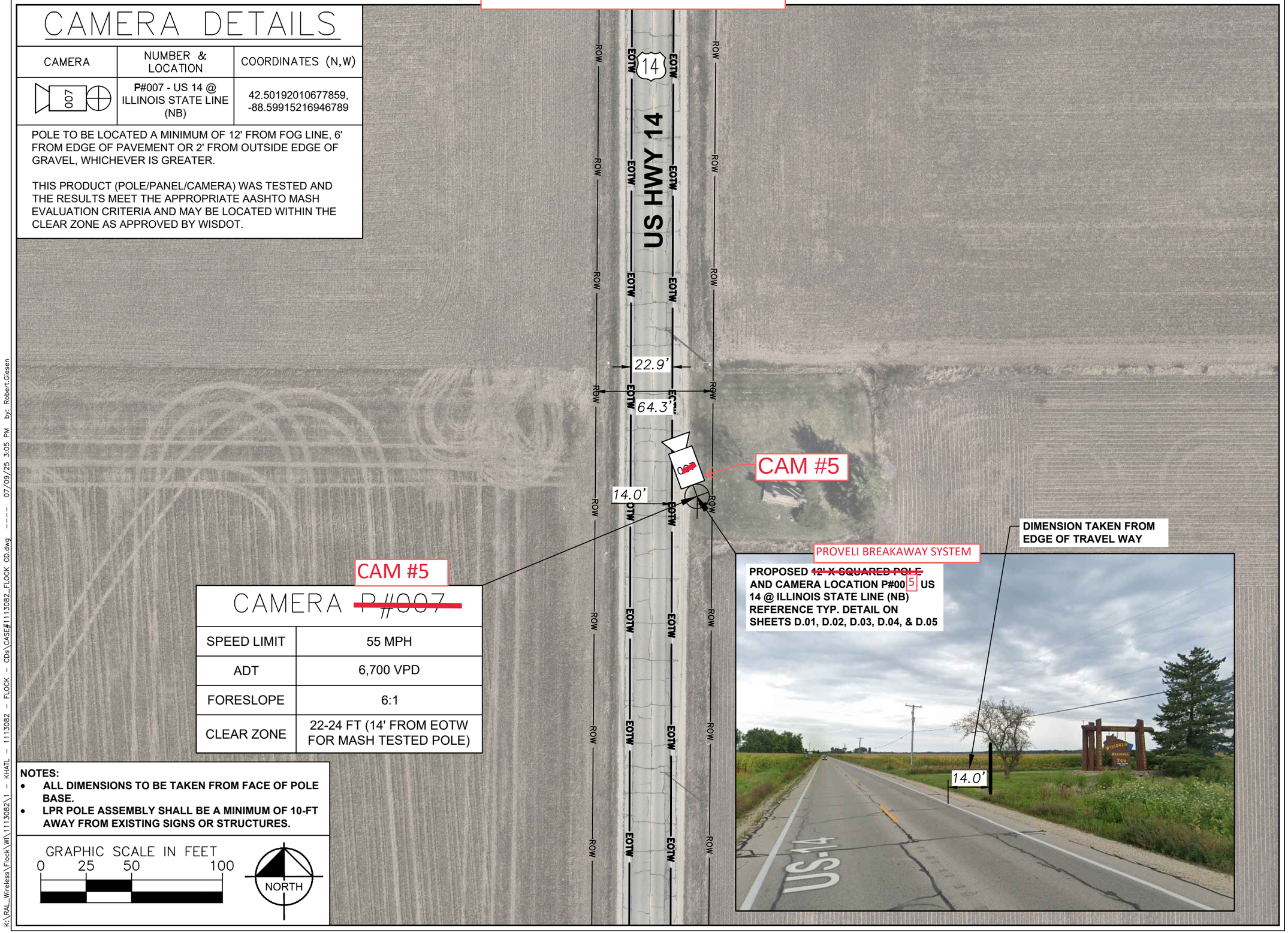
REVISED LOCATION CAMERA #5

CAMERA DETAILS

CAMERA	NUMBER & LOCATION	COORDINATES (N,W)
LOT	P#007 - US 14 @ ILLINOIS STATE LINE (NB)	42.50192010677859, -88.59915216946789

POLE TO BE LOCATED A MINIMUM OF 12' FROM FOG LINE, 6' FROM EDGE OF PAVEMENT OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER.

THIS PRODUCT (POLE/PANEL/CAMERA) WAS TESTED AND THE RESULTS MEET THE APPROPRIATE AASHTO MASH EVALUATION CRITERIA AND MAY BE LOCATED WITHIN THE CLEAR ZONE AS APPROVED BY WISDOT.



CAMERA ~~P#007~~

SPEED LIMIT	55 MPH
ADT	6,700 VPD
FORESLOPE	6:1
CLEAR ZONE	22-24 FT (14' FROM EOTW FOR MASH TESTED POLE)

PROVELI BREAKAWAY SYSTEM

PROPOSED ~~12' X SQUARED POLE~~ AND CAMERA LOCATION P#005 US 14 @ ILLINOIS STATE LINE (NB) REFERENCE TYP. DETAIL ON SHEETS D.01, D.02, D.03, D.04, & D.05

NOTES:
- **ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.**
- **LPR POLE ASSEMBLY SHALL BE A MINIMUM OF 10-FT AWAY FROM EXISTING SIGNS OR STRUCTURES.**

GRAPHIC SCALE IN FEET
0 25 50 100

NORTH

PROJECT INFORMATION:

WALWORTH COUNTY
SHERIFF'S OFFICE
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
421 FAYETTEVILLE STREET,
SUITE 600,
RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

REV: DATE: ISSUED FOR: BY:

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LICENSER:

WISCONSIN
HEATHER W. THAYER
50169-6
RALEIGH, NC
PROFESSIONAL ENGINEER
07/22/25

KHA PROJECT NUMBER:
014681002.1.100

DRAWN BY: TLW CHECKED BY: HT

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
S.01

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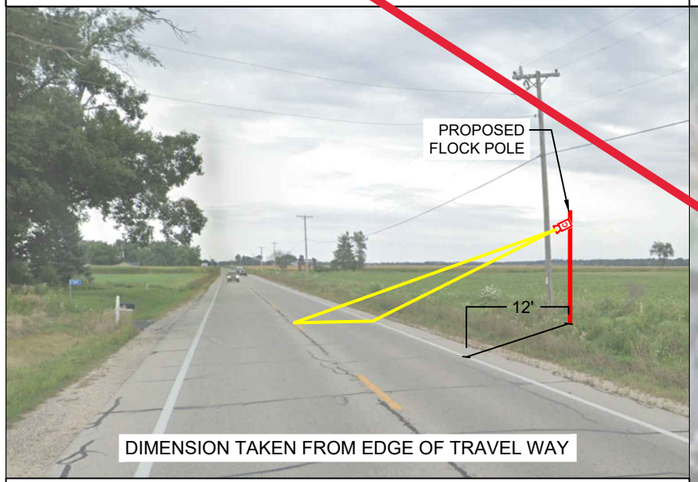
FLOCK LOCATION DETAILS

LOCATION NAME:	F#005 US Highway 14 @ Illinois State Line
GEOGRAPHIC COORDINATES:	42.500025,-88.599222
DISTANCE FROM EOR:	12'
PROPOSED FLOCK EQUIPMENT:	ON X-SQUARED REDI-TORQUE POLE
REFERENCE DETAILS SEE:	SPEC. 01, 1-4 ON SPEC. 02

SPEED LIMIT	55 MPH
ADT	6700 VPD
FORESLOPE	1:6
CLEAR ZONE	22-24 FT

12' EOTW FOR MASH TESTED POLES.

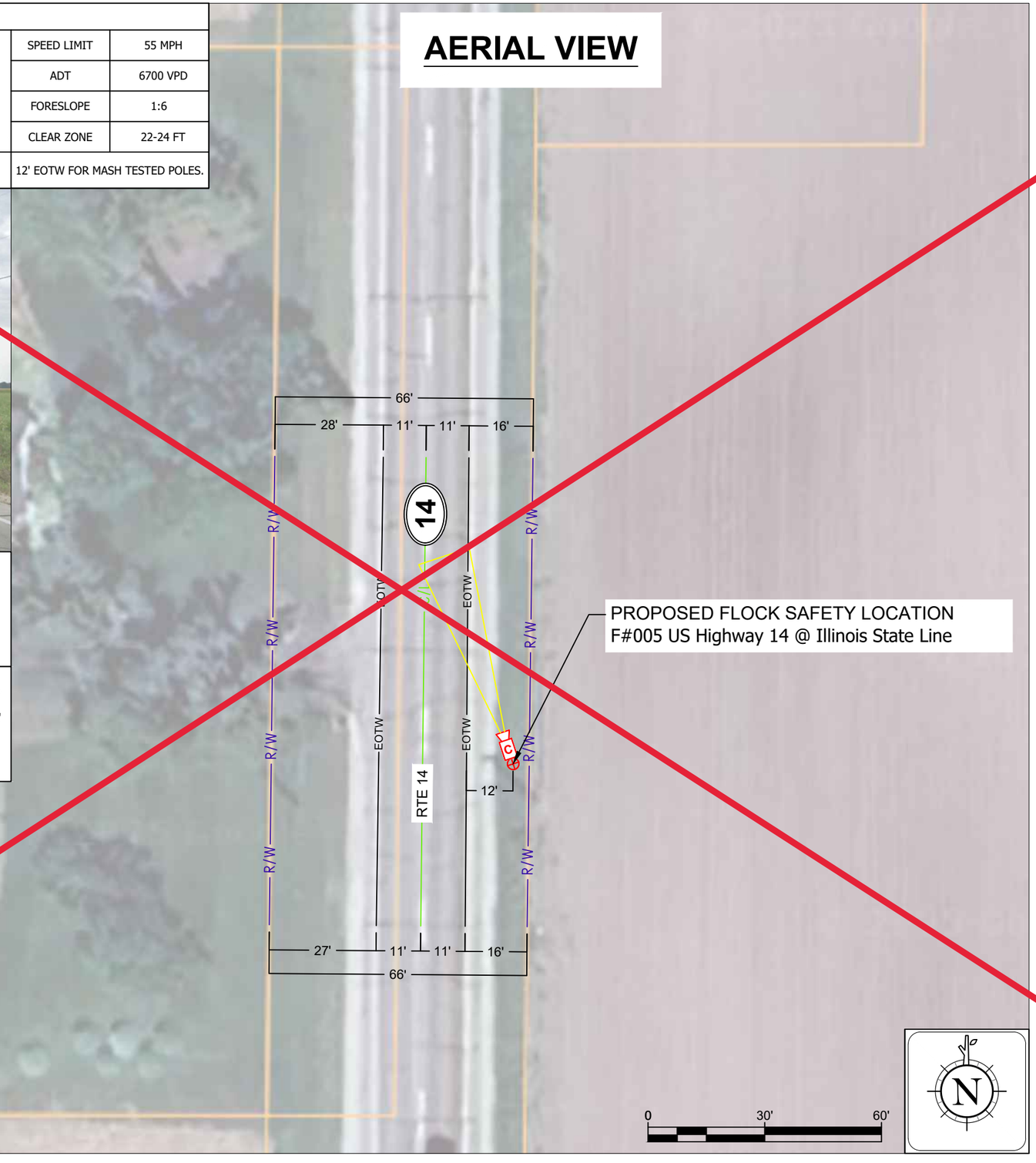
STREET VIEW



LOCATION NOTES:
- ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.

PROPOSED POLE LOCATION NOTES:
- PROPOSED NEW POLE LOCATION SHALL BE A MINIMUM OF 10' FROM EXISTING SIGNS, POLES AND STRUCTURES.
- POLE TO BE LOCATED A MINIMUM OF 12' FROM FOG LINE, 6' FROM EDGE OF PAVEMENT OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER.
- THIS PRODUCT (POLE/PANEL/CAMERA) WAS TESTED AND THE RESULTS MEET THE APPROPRIATE AASHTO MASH EVALUATION CRITERIA AND MAY BE LOCATED WITHIN THE CLEAR ZONE AS APPROVED BY WISDOT.

AERIAL VIEW



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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	01/22/2025	SWB	PRELIM

I HEARBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

WISCONSIN
MICHAEL B
LEEPER
E-46706
WEST HOLLYWOOD
CA
PROFESSIONAL ENGINEER

3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION:
WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
A.05	0

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FLOCK LOCATION DETAILS

LOCATION NAME: F#006 State Hwy 120 South of County B
GEOGRAPHIC COORDINATES: 42.500705,-88.442235
DISTANCE FROM EOP: 19'

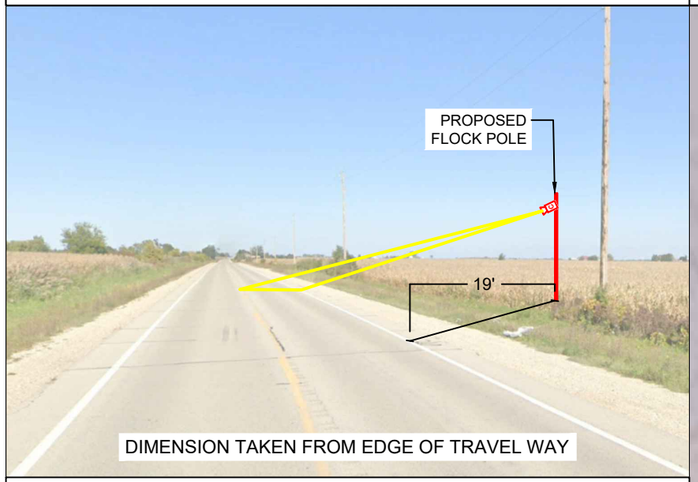
PROVELI BREAKAWAY SYSTEM

PROPOSED FLOCK EQUIPMENT ON ~~X-SQUARED REDI-TORQUE POLE~~
REFERENCE DETAILS SEE: SPEC. 01, 1-4 ON SPEC. 02

SPEED LIMIT	55 MPH
ADT	4300 VPD
FORESLOPE	1:6
CLEAR ZONE	20-22 FT

12' EOTW FOR MASH TESTED POLES.

STREET VIEW



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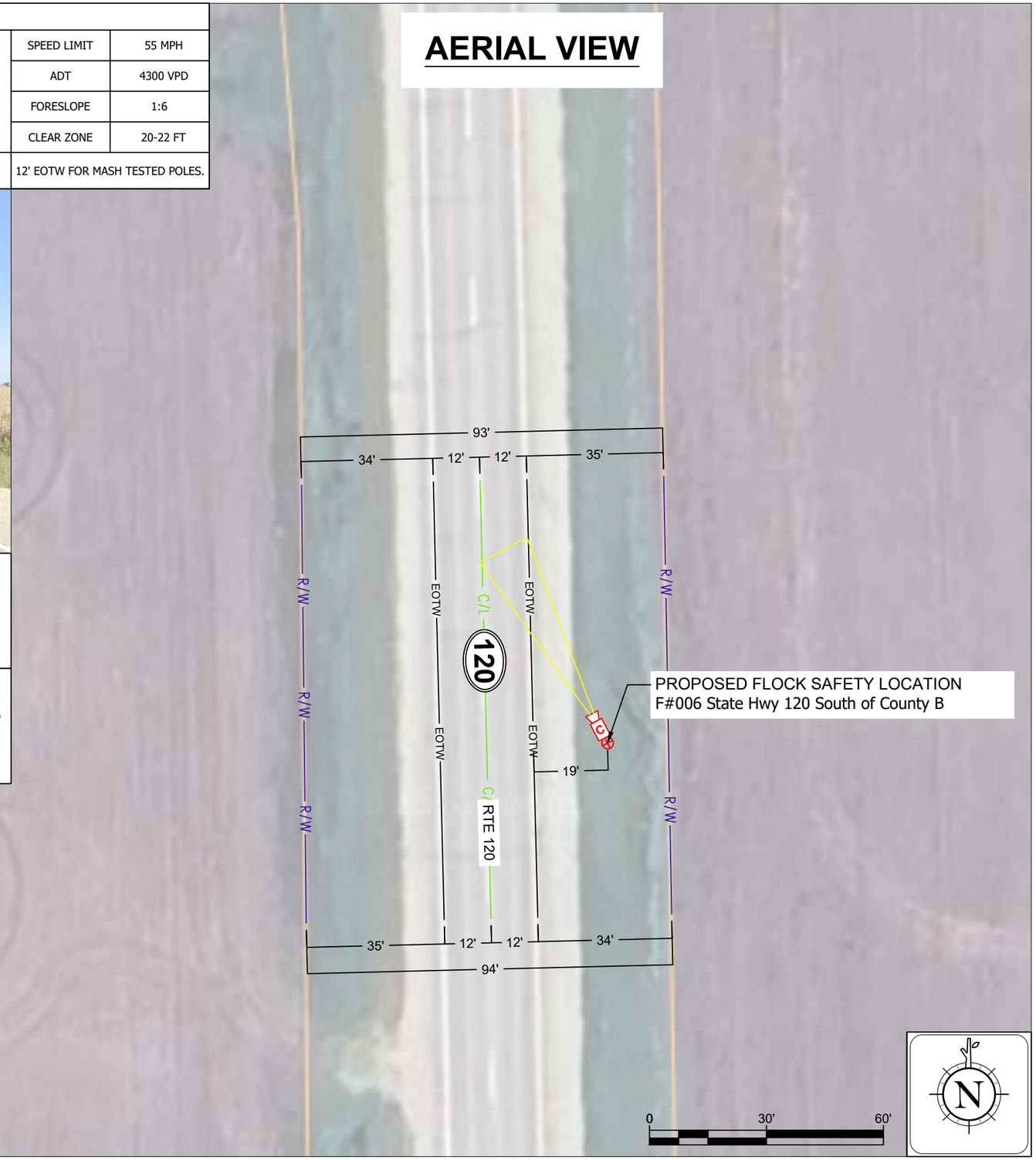
AERIAL VIEW



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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION:
WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
A.06	0

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FLOCK LOCATION DETAILS

LOCATION NAME: F#007 US Hwy 14 East of County Line Rd.
GEOGRAPHIC COORDINATES: 42.652663,-88.773560
DISTANCE FROM EOP: 13'

PROVELI BREAKAWAY SYSTEM

PROPOSED FLOCK EQUIPMENT ON X-SQUARED REDI-TORQUE POLE
REFERENCE DETAILS SEE: SPEC. 01, 1-4 ON SPEC. 02

SPEED LIMIT	55 MPH
ADT	7400 VPD
FORESLOPE	1:6
CLEAR ZONE	22-24 FT

12' EOTW FOR MASH TESTED POLES.

STREET VIEW

LOCATION NOTES:
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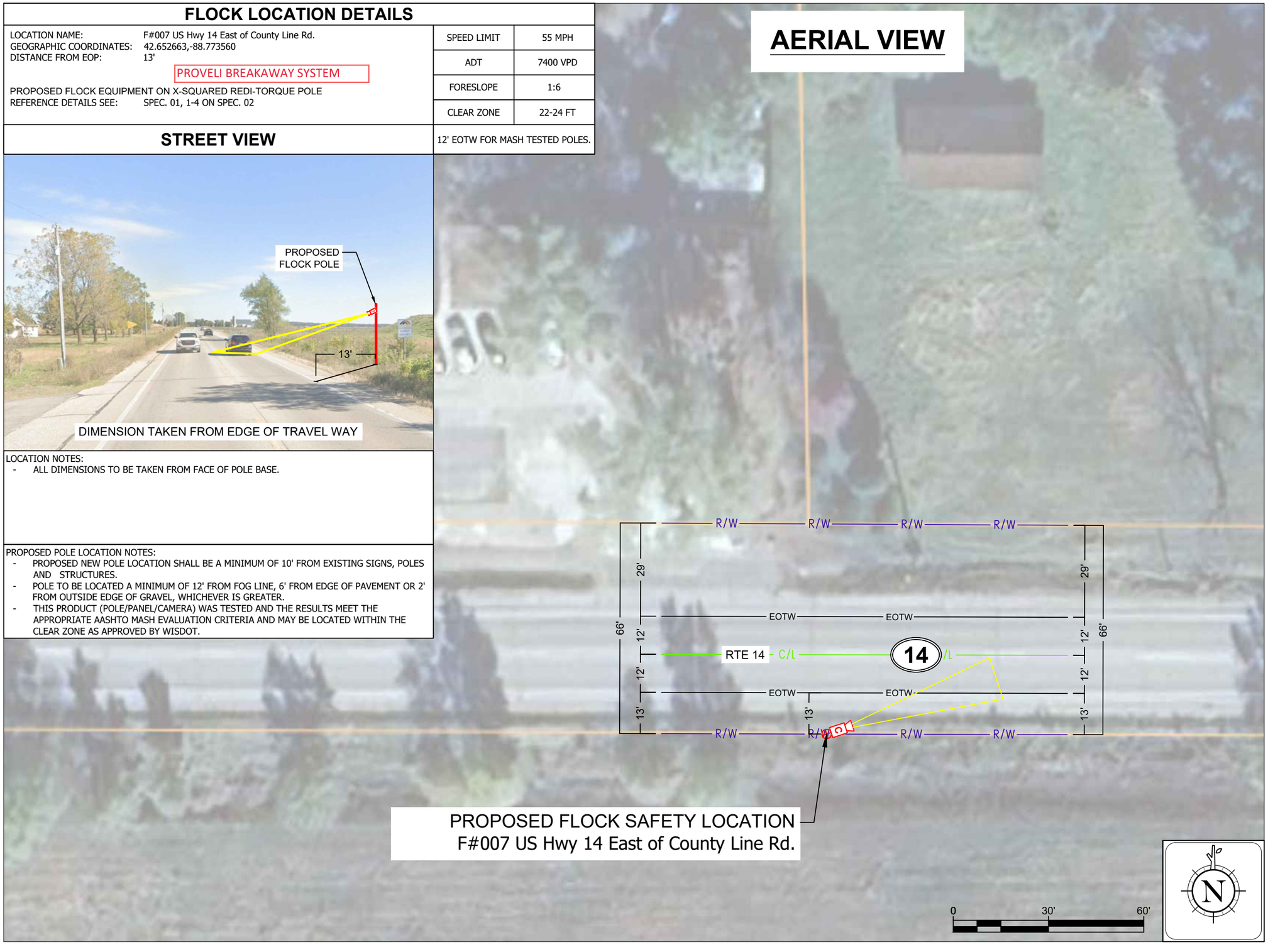
AERIAL VIEW



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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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WISCONSIN
MICHAEL B
LEEPER
E-46706
WEST HOLLYWOOD
CA
PROFESSIONAL ENGINEER

3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION: WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
A.07	0

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FLOCK LOCATION DETAILS

LOCATION NAME: F#008 State Hwy 11 @ State HWY 36 (WB)
GEOGRAPHIC COORDINATES: 42.661165,-88.311889
DISTANCE FROM EOP: 13'

PROVELI BREAKAWAY SYSTEM

PROPOSED FLOCK EQUIPMENT ON ~~X-SQUARED REDI-TORQUE POLE~~
REFERENCE DETAILS SEE: SPEC. 01, 1-4 ON SPEC. 02

SPEED LIMIT	55 MPH
ADT	7500 VPD
FORESLOPE	1:6
CLEAR ZONE	22-24 FT
12' EOTW FOR MASH TESTED POLES.	

STREET VIEW

LOCATION NOTES:
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PROPOSED POLE LOCATION NOTES:
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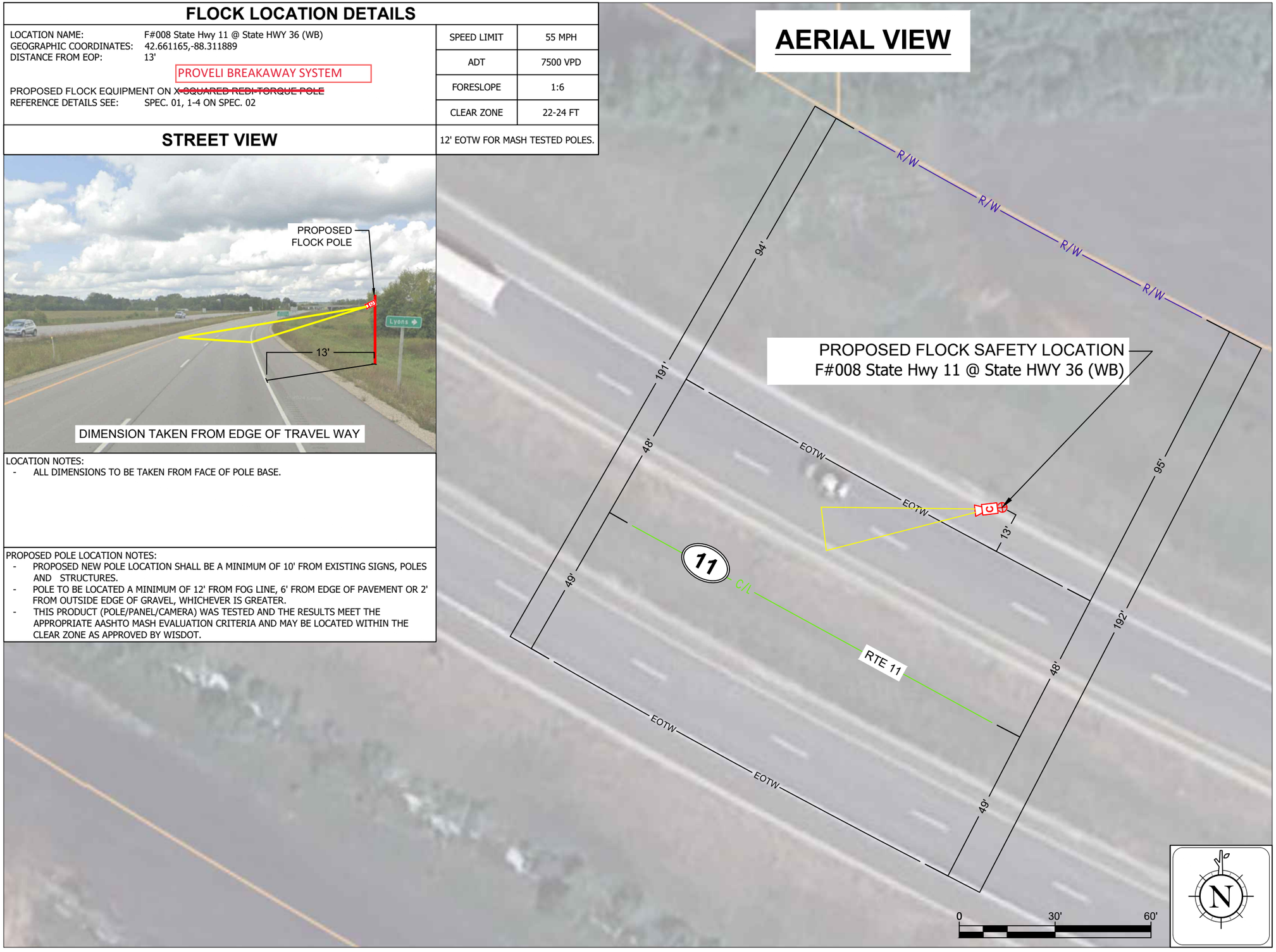
AERIAL VIEW



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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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WISCONSIN
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
PROFESSIONAL ENGINEER
3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION:
WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
A.08	0

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CAMERA DETAILS

CAMERA	NUMBER & LOCATION	COORDINATES (N,W)
	P#001 - I-43 @ COUNTY LINE RD (NB)	42.587921343462334, -88.75427801100805

POLE TO BE LOCATED A MINIMUM OF 12' FROM FOG LINE, 6' FROM EDGE OF PAVEMENT OR 2' FROM OUTSIDE EDGE OF GRAVEL, WHICHEVER IS GREATER.

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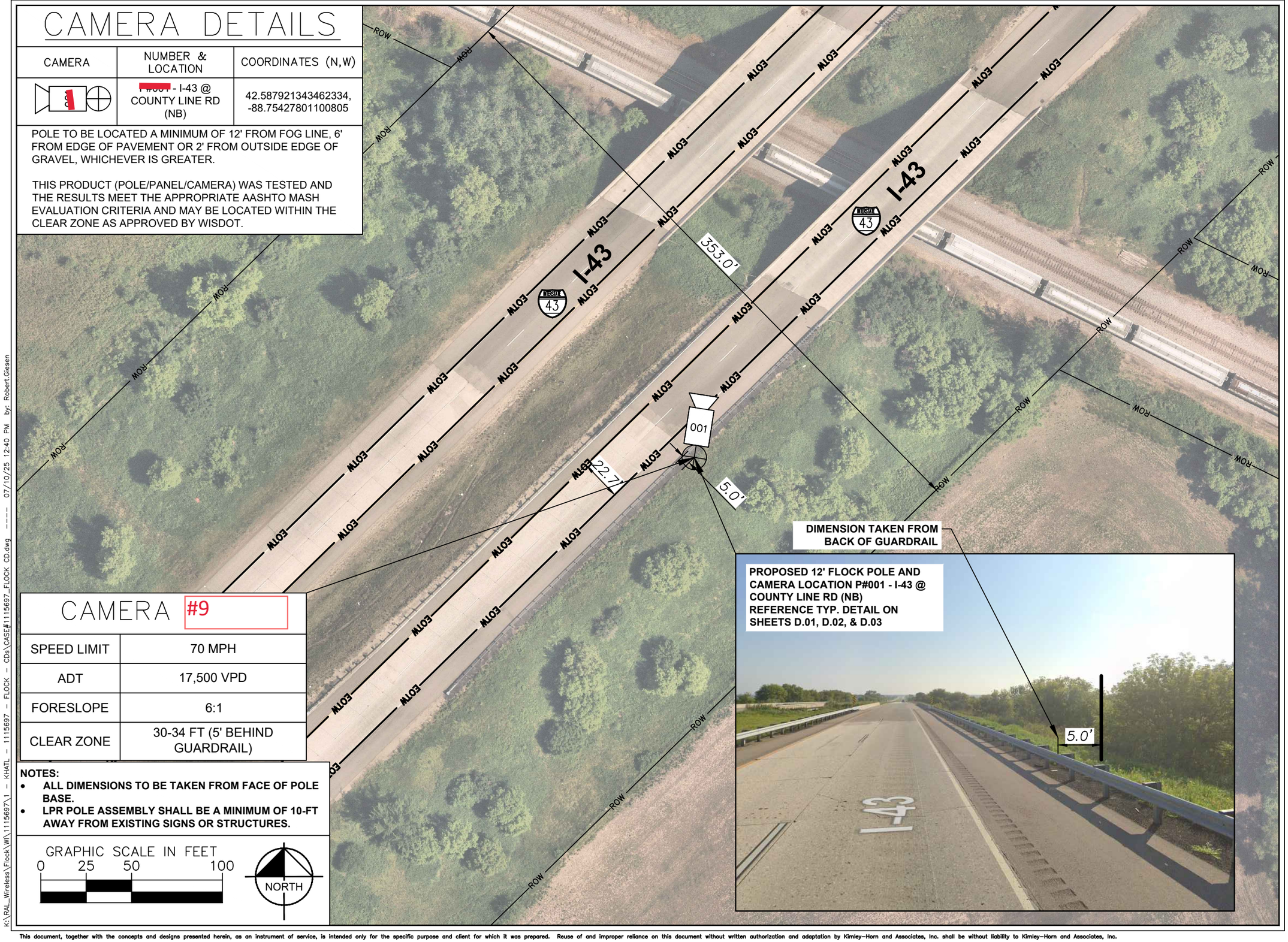

PROPOSED 12' FLOCK POLE AND CAMERA LOCATION P#001 - I-43 @ COUNTY LINE RD (NB) REFERENCE TYP. DETAIL ON SHEETS D.01, D.02, & D.03

CAMERA #9

SPEED LIMIT	70 MPH
ADT	17,500 VPD
FORESLOPE	6:1
CLEAR ZONE	30-34 FT (5' BEHIND GUARDRAIL)

NOTES:

- **ALL DIMENSIONS TO BE TAKEN FROM FACE OF POLE BASE.**
- **LPR POLE ASSEMBLY SHALL BE A MINIMUM OF 10-FT AWAY FROM EXISTING SIGNS OR STRUCTURES.**

GRAPHIC SCALE IN FEET
0 25 50 100

NORTH

PROJECT INFORMATION:

WALWORTH COUNTY
SHERIFF'S OFFICE
LICENSE PLATE READER
INSTALLATION

PLANS PREPARED BY:

Kimley»Horn
421 FAYETTEVILLE STREET,
SUITE 600,
RALEIGH, NC 27601
PHONE: (919) 677-2000
WWW.KIMLEY-HORN.COM

REV: | DATE: | ISSUED FOR: | BY:

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0	07/07/25	PERMITTING	MRD

LICENSER:

WISCONSIN
HEATHER W. THAYER
50169-6
RALEIGH, NC
PROFESSIONAL ENGINEER
07/25/25

KHA PROJECT NUMBER:

014681002.1.100

DRAWN BY:	CHECKED BY:
TLW	HT

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

S.01

K:\RAL_Wireless\Flock\WI\1115697\1 - KHATL - 1115697 - FLOCK - CDs\CASE#1115697_FLOCK_CD.dwg ---- 07/10/25 12:40 PM by: Robert.Giesen

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

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FLOCK LOCATION DETAILS

LOCATION NAME:	F#009 43 @ County Line NB
GEOGRAPHIC COORDINATES:	42.587712,-88.754585
DISTANCE FROM EOR:	17'
PROPOSED FLOCK EQUIPMENT:	ON 12'-0" FLOCK POLE
REFERENCE DETAILS SEE:	SPEC. 04, 1-2 ON SPEC. 05

SPEED LIMIT	70 MPH
ADT	18800 VPD
FORESLOPE	1:6
CLEAR ZONE	30-34 FT

12' EOTW FOR MASH TESTED POLES.

STREET VIEW

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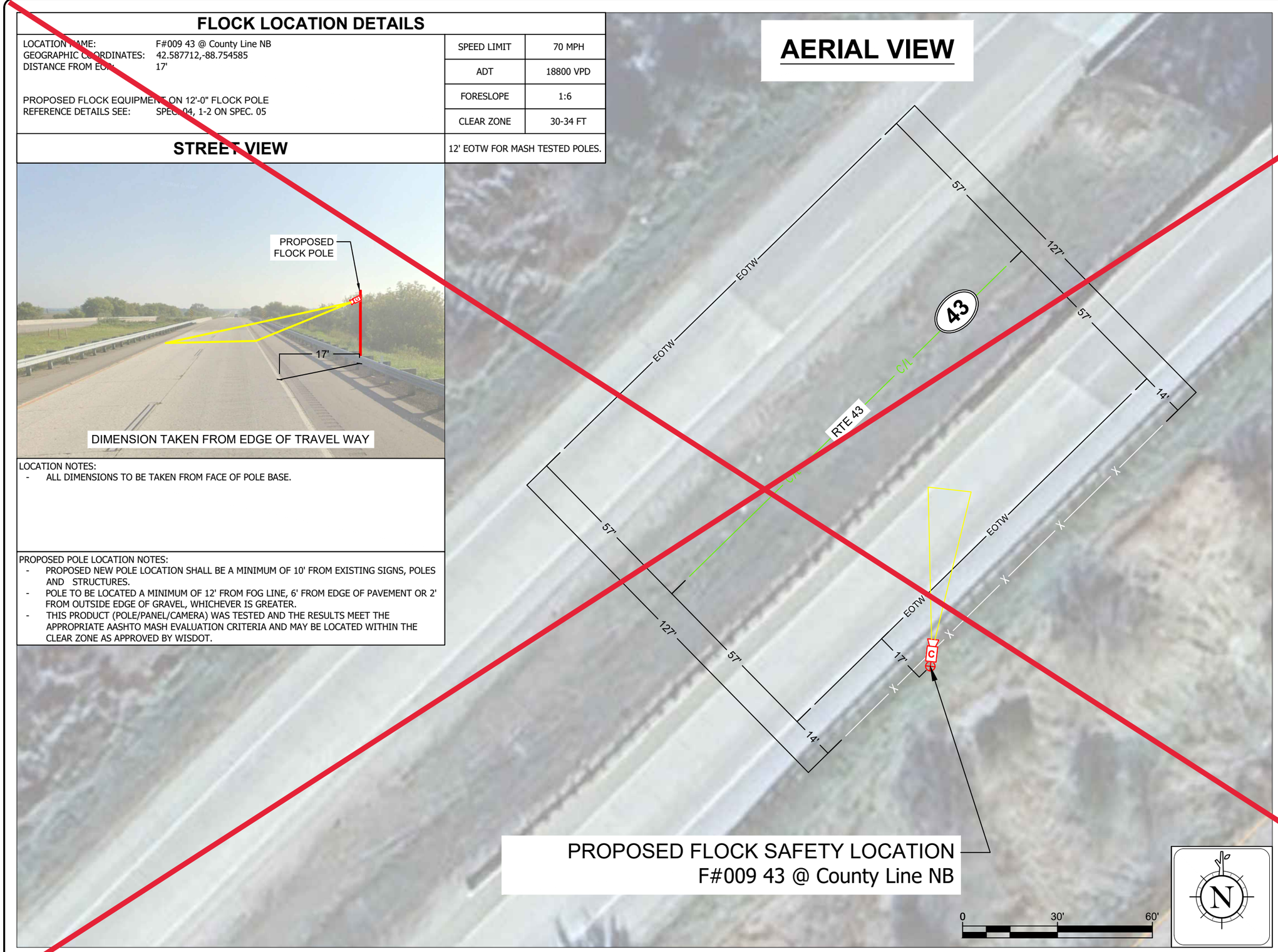
AERIAL VIEW



WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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PROFESSIONAL ENGINEER

3/18/2025

LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION:
WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
A.09	0

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FLOCK LOCATION DETAILS

LOCATION NAME: F#010 43 @ 20 SB
GEOGRAPHIC COORDINATES: 42.793296,-88.384924
DISTANCE FROM EOP: 16'

PROVELI BREAKAWAY SYSTEM

PROPOSED FLOCK EQUIPMENT ON 12'-0" FLOCK POLE
REFERENCE DETAILS SEE: SPEC. 04, 1-2 ON SPEC. 05

SPEED LIMIT	70 MPH
ADT	23100 VPD
FORESLOPE	1:6
CLEAR ZONE	30-34 FT
12' EOTW FOR MASH TESTED POLES.	

STREET VIEW

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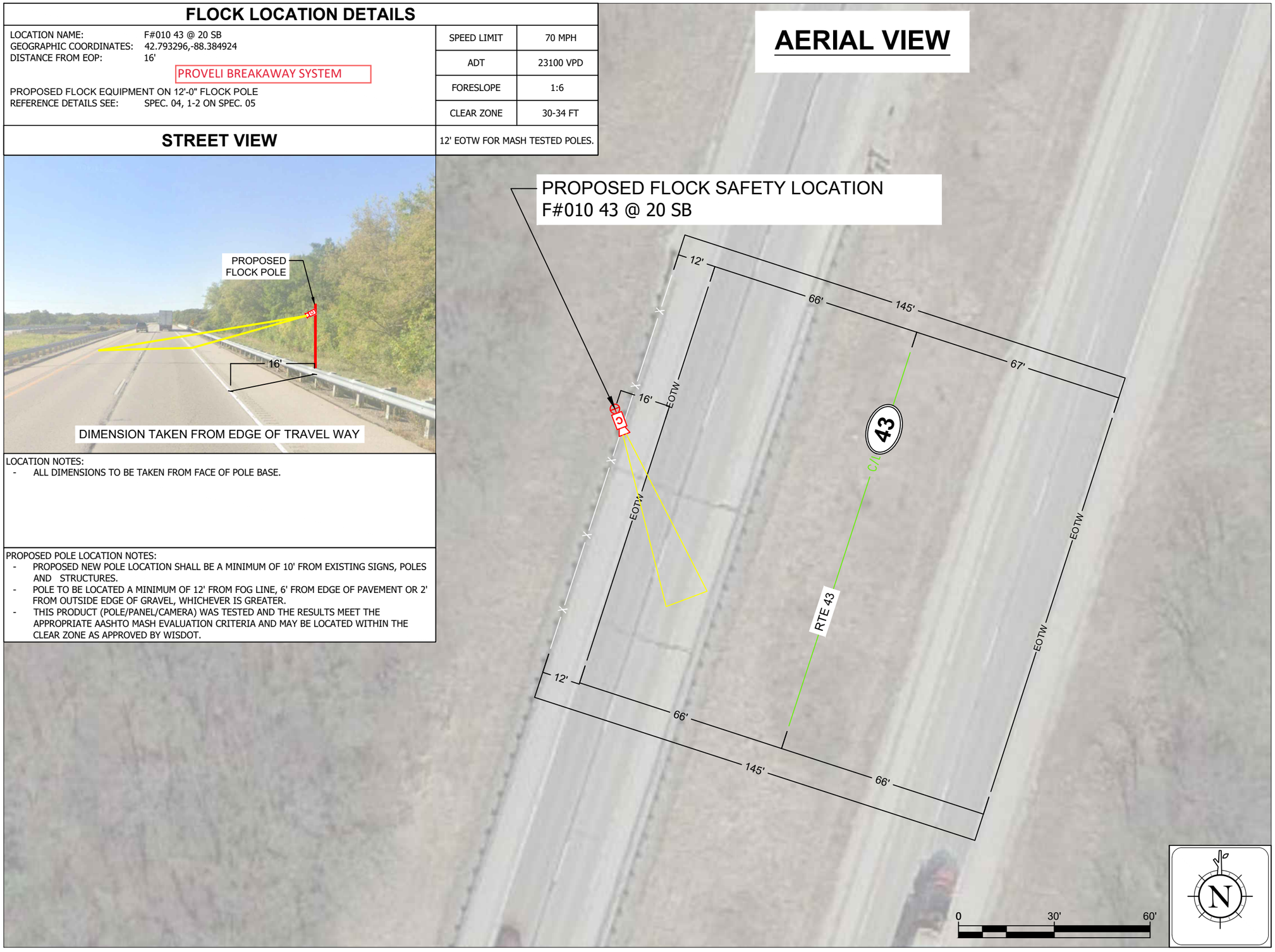

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1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

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3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
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COVER SHEET & LOCATION MAPS

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The Proveli Breakaway Coupler System meets MASH standards.

August 25, 2025

Subject: **PE Certification Letter**

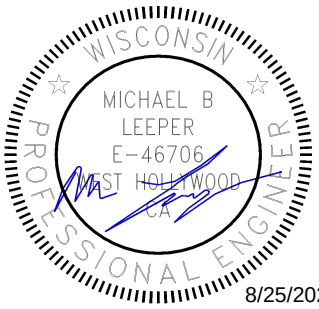
Site Name: MASH Proveli Breakaway Coupler System
Structure Type: Flock Proveli Pole

To Whom it may Concern,

It is our opinion that the MASH Proveli Breakaway Coupler System is adequate to support the proposed Flock equipment loading.

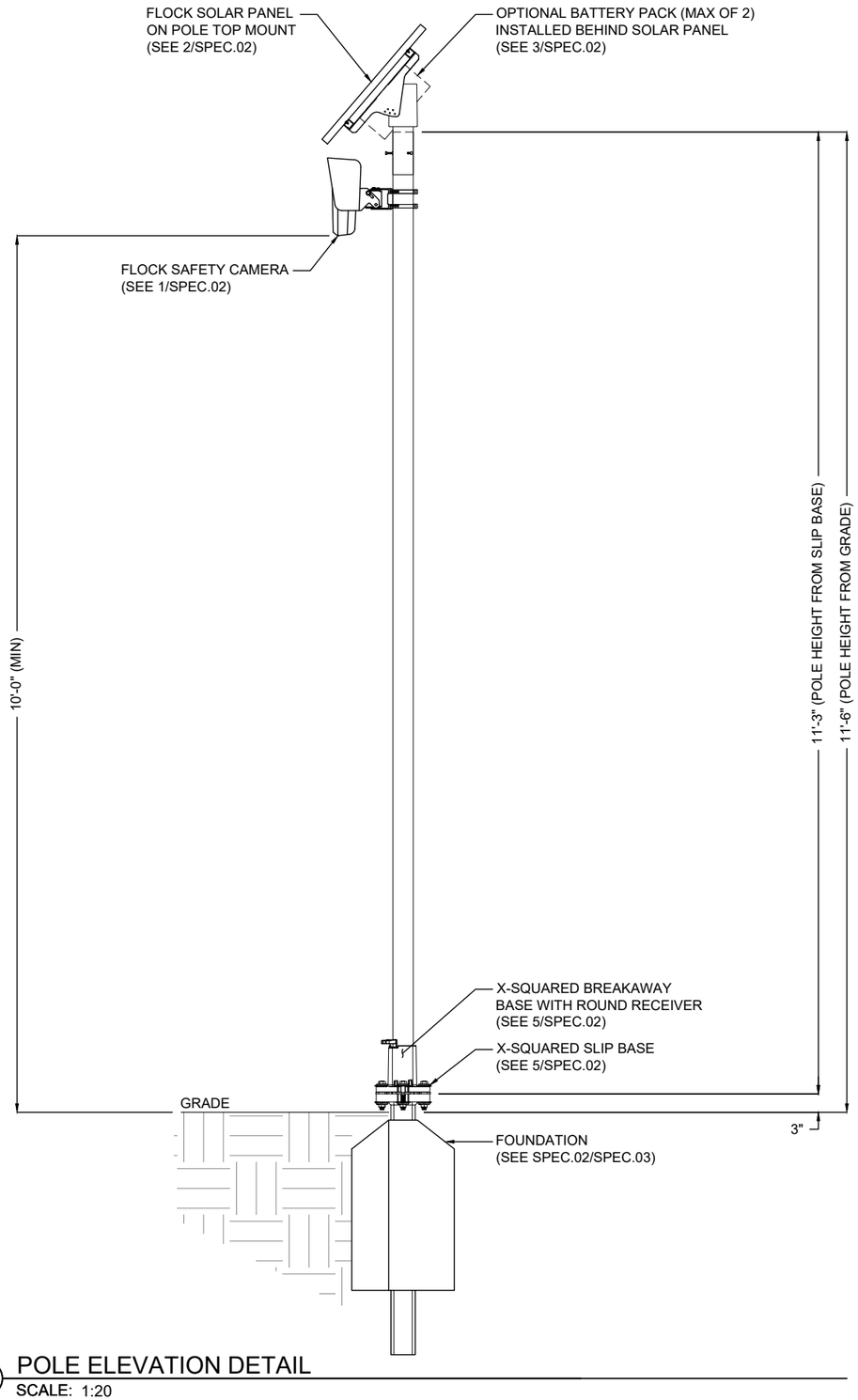
Should you have any questions, comments, or require additional information, please do not hesitate to call.

Very Respectfully,



8/25/2025

Michael Leeper, PE
760.809.4714



1 POLE ELEVATION DETAIL
SCALE: 1:20

DESIGN NOTES

1. POLE AND FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:
   1.1. 2009/2012/2015/2018/2021 INTERNATIONAL BUILDING CODE
   1.2. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMIN, TRAFFIC SIGNALS, 2015 EDITION.
2. POLE ANALYSIS AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWINGCRITERIA
   2.1. DESIGN WIND SPEED (Vult)): (SEE SECTION 2.6)
   2.2. RISK CATEGORY: II
   2.3. EXPOSURE CATEGORY: C
   2.4. TOPOGRAPHIC CATEGORY: 1
   2.5. SEISMIC DESIGN CRITERIA:
      2.5.1. SOIL SITE CLASS: D (ASSUMED)
      2.5.2. SPECTRAL RESPONSE, Ss: 1.000g (MAXIMUM)
      2.5.3. SPECTRAL RESPONSE, S1: 0.400G (MAXIMUM)
      2.5.4. SEISMIC DESIGN CATEGORY: B
   2.6. STRUCTURE BASE REACTIONS ARE CALCULATED AS FOLLOWS:

DESIGN WIND SPEED (MPH)	MOMENT (K-FT)	SHEAR (KIP)	AXIAL (KIP)
115	2.70	0.280	0.160
125	3.20	0.330	0.160
135 (MAX)	3.70	0.380	0.160

   2.7. SHOULD ANY OF THE SITE-SPECIFIC PARAMETERS BE HIGHER THAN WHAT IS NOTED ABOVE, THE EOR SHALL BE CONTACTED TO PROVIDE A REVISED DESIGN.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO INSTALLATION.
4. FOUNDATION TO CONSIST OF CONCRETE SURROUNDING THE PROPSED POLE WITH A MINMUM OF 3,000-PSI COMPRESSIVE STRENGTH.

GENERAL & CONSTRUCTION NOTES

1. CONTRACTOR SHALL CONTACT DESIGNATED AGENCY TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
3. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION.
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5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS DEFINED BY THE STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION, UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.

ADA COMPLIANCE NOTES

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3. MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.
4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK. UP TO AN ELEVATION OD 7'-0" ABOVE GRADE.

ADDITIONAL WISCONSIN DEPARTMENT OF TRANSPORTATION NOTES

1. THE PRODUCT (POLE/PANEL/CAMERA) LABELED AS THE "X-SQRD BREAKAWAY SYSTEM" WAS TESTED AND THE RESULTS MEET THE APPROPRIATE AASHTO MASH EVALUATION CRITERIA AND MAY BE LOCATED WITHIN THE CLEAR ZONE AS APPROVED BY WISDOT.
2. FOUNDATION EMBEDMENT SHALL BE THE MINIMUM OF THE DIMENSIONS SPECIFIED, OR 6" BELOW THE FROST DEPTH APPLICABLE TO THE SITE LOCATION.
3. CONTRACTOR SHALL VERIFY FROST DEPTH PRIOR TO CONSTRUCTION.
4. THIS PRODUCT (POLE/PANEL/CAMERA) WAS TESTED AND THE RESULTS MEET THE APPROPRIATE AASHTO MASH EVALUATION CRITERIA AND MAY BE LOCATED WITHIN THE CLEAR ZONE AS APPROVED BY WISDOT.

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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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0	01/22/2025	SWB	PRELIM

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WISCONSIN
MICHAEL B
LEEPER
E-46706
WEST HOLLYWOOD
CA
PROFESSIONAL ENGINEER
3/18/2025

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FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION:
WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
SPEC.01	0

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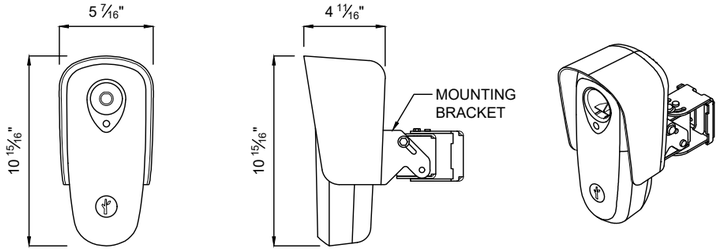
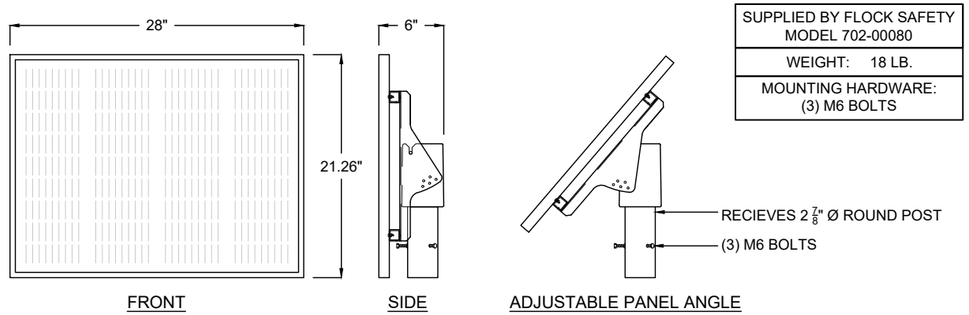


SUPPLIED BY FLOCK SAFETY MODEL 701-00059
WEIGHT: 3.5 LB
MOUNTING HARDWARE: MCMASTER-CARR QUICK-RELEASE CLAMP PART #: 5322K58 OR AN APPROVED EQUIVALENT

1 FLOCK SAFETY CAMERA

SCALE: N/A

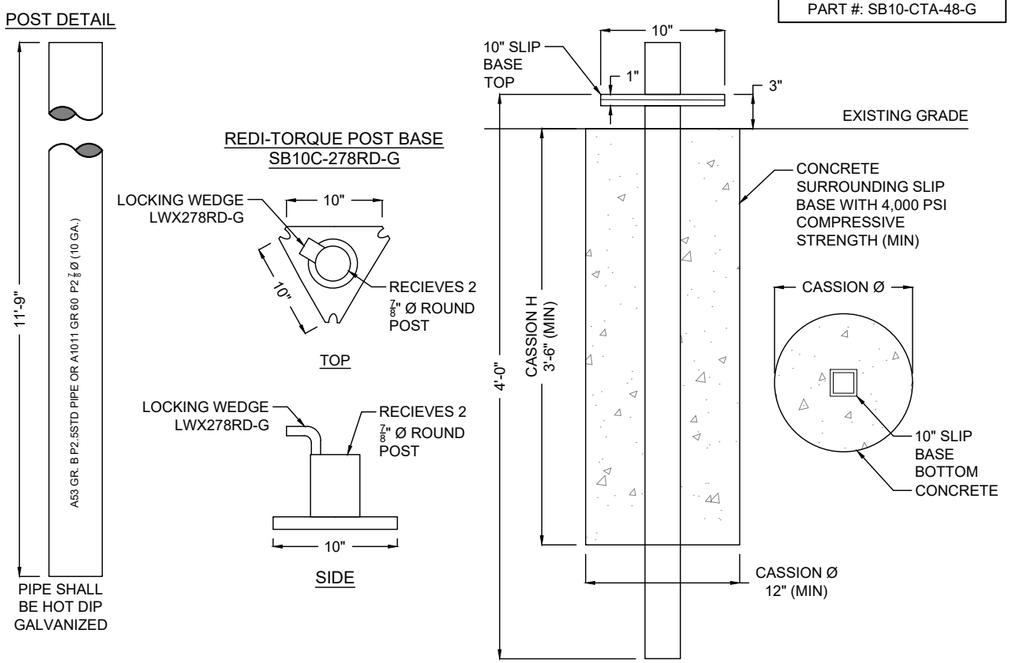


SUPPLIED BY FLOCK SAFETY MODEL 702-00080
WEIGHT: 18 LB.
MOUNTING HARDWARE: (3) M6 BOLTS

2 65 WATT SOLAR PANEL AND MOUNT ASSEMBLY (TOP MOUNTED)

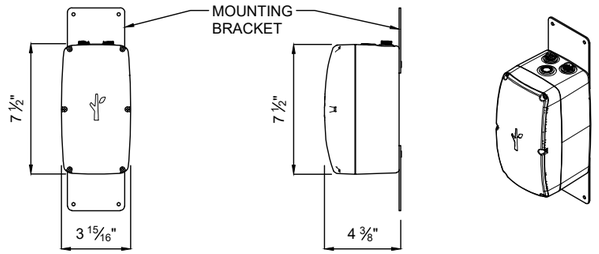
SCALE: N/A

MANUFACTURER: XCESSORIES SQUARED PART #: SB10-CTA-48-G



3 CONCRETE CASSION BREAKAWAY POLE BASE (SEE SPEC.03)

SCALE: N/A



SUPPLIED BY FLOCK SAFETY MODEL 702-00028
WEIGHT: 4 LB (APPROX.)
MOUNTING HARDWARE: MCMASTER-CARR QUICK-RELEASE CLAMP PART #: 5322K58 OR AN APPROVED EQUIVALENT

4 "PENGUIN" BATTERY PACK

SCALE: N/A

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flock safety

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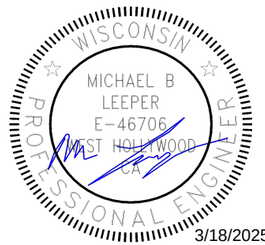

3/18/2025

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FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION:
WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
SPEC.02	0

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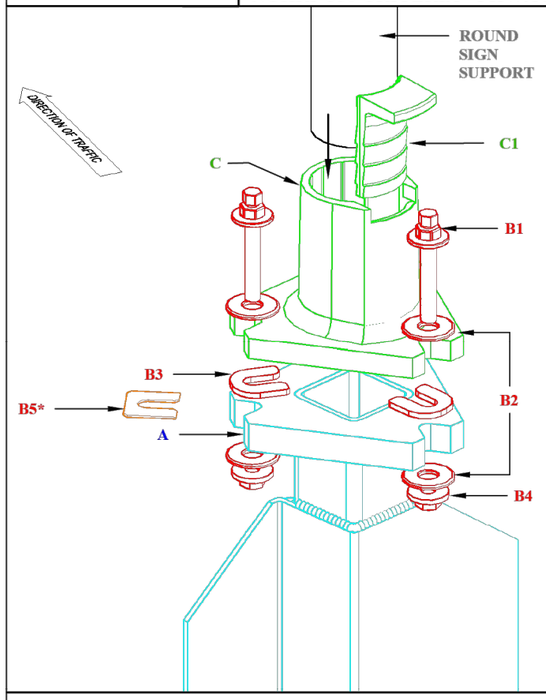
XCESSORIES SQUARED
Development & Manufacturing Inc.

INSTALLATION GUIDE **REDI-TORQUE MODEL 280** OMNI DIRECTIONAL SLIP BASE
(COMBINATION ANCHOR WITH LOWER SLIP PLATE). RECEIVES ROUND SIGN SUPPORT

RT280U-RD1	MASH-16 COMPLIANT FOR INTERSECTIONS and MAINLINE ROADWAYS NCHRP 350 CRITERIA - FHWA ACCEPTANCE LETTERS SS-134 & SS-134A	November 15, 2022	XCESSORIES SQUARED DEV. & MFG. CO., INC. AUBURN, IL 62615 TEL: (800) 621-7948 FAX: (217) 438-3917 www.x-sqrd.com



PARTS LIST

A: Unibase - Lower Slip Plate

ITEM	QTY	DESCRIPTION
A	1	Combination Anchor/Lower Slip Plate

B: Redi-Torque Match Plate Hardware

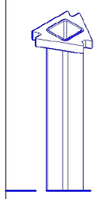
ITEM	QTY	DESCRIPTION
B1	3	½"-13 x 3" Gr. 8 Redi-Torque Bolt
B2	6	5/8" U.S.S. Flat Washer
B3	3	3/16" thick, Teflon Coated Slip Washer
B4	3	½"-13 Gr. 8 large diameter Flange Nut
B5*	0	1/16" thick Leveling Shim

* may not be necessary for every installation

C: Upper Slip Plate Sub-Assembly

ITEM	QTY	DESCRIPTION
C	1	Top Receiver for Round Sign Support
C1	1	Round Sign Support Locking Wedge

STEP A



1. Install appropriate Unibase **(A)** plumb & squared up with road, with point of triangular slip plate facing oncoming traffic.

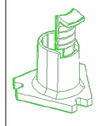
2. Depth of embeddment to leave 2-½" (+1½/-½") from grade to top of Lower Slip Plate of Unibase **(A)**.
   NOTE: *For soil or concrete installation options, see details at lower left.*
   NOTE: *If installing in concrete, auger the footing hole shallow enough to be able to drive 3-4 inches of Unibase* **(A)** *into the bottom of the hole. This will help stabilize the unit as concrete is being poured and cured while also allowing for proper drainage.*
   NOTE: *On multi-leg installations, be sure that all Unibases are squared & lined up with each other.*

STEP B

1. Place one each teflon coated Slip Washer **(B3)** on top of Lower Slip Plate of Unibase **(A)** at each notched point with open end of slot facing center of triangular slip plate. Leave enough room between the closed ends of the slot/notch to allow Ø½" Redi-Torque Bolt **(B1)** to pass through.
2. Place Upper Slip Plate **(C)** onto the three Slip Washers **(B3)** properly indexed so that the round post receiver notched portion is pointing toward oncoming traffic.

3. Slide 1 each 5/8" Flat Washer **(B2)** on to each Redi-Torque Bolt **(B1)** then insert Bolt **(B1)** with Washer **(B2)** down through notched points of Upper Slip Plate **(C)**, slot of Slip Washer **(B3)** and notched point of Lower Slip Plate of Unibase **(A)**.
4. Slide 1 each 5/8" Flat Washer **(B2)** up on exposed thread of each Bolt **(B1)** followed by threading 1 each ½" Flange Nut **(B4)** on to each Bolt **(B1)** as tight as can reasonably be attained using *the 1/4" (larger) hex and* ***NOT*** *the 9/16" (smaller) hex.*

STEP C

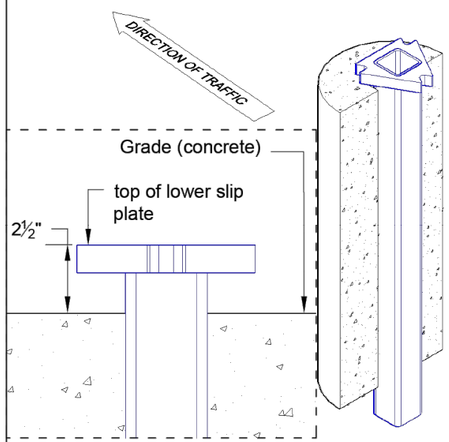


1. Insert Round Sign Support into Upper Slip Plate **(C)** top receiver until support bottoms out.
2. With a hand held hammer, drive the round sign support Locking Wedge **(C1)** into the Slip Base Top **(C)** receiver at the pre-determined notch. (The Locking Wedge does not need to be driven flush with top of Upper Slip Plate receiver)

   ***SHIMMING:** Before moving on to **step 3**, check the plumb of the sign support(s). If necessary, 1/16" thick Leveling Shim(s) **(B5)** may be used at the appropriate point(s) between slip plates. To re-plumb, loosen Bolt **(B1)** at desired point enough to lean the Upper Slip Plate **(C)** back and slide Leveling Shim **(B5)** into place. Shim(s) should be placed under Teflon Coated Slip Washer. *Maximum of 2 each Leveling Shims per notched point.*
3. After Locking wedge **(C1)** is securely in place. loosen each Bolt **(B1)** and Nut **(B4)**, one at a time, then retighten each Bolt **(B1)**, using the 9/16" (smaller) hex, until the 9/16" hex head twists off from the 3/4" hex head. This will set the proper torque level of 52 ft-lbs.

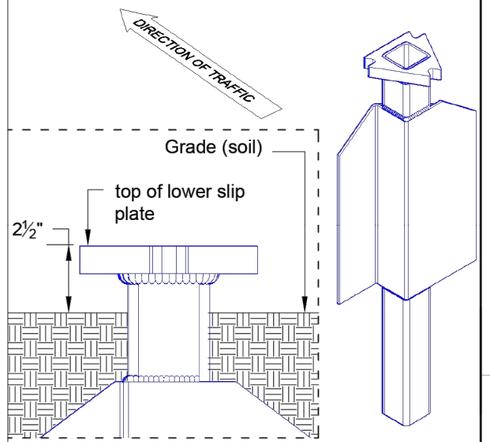
1. **UP TO A MAXIMUM OF THREE OMNI DIRECTIONAL SLIP BASES WITH REDI-TORQUE MODEL 280 MATCHPLATE HARDWARE MAY BE INSTALLED WITHIN A SEVEN FOOT SPAN ON MAINLINE ROADWAY.**
2. **FOR ADDITIONAL WINDLOAD CAPABILITY, A HEAVIER GAUGE POST MAY BE USED.**

***CONCRETE* INSTALLATION DETAIL**



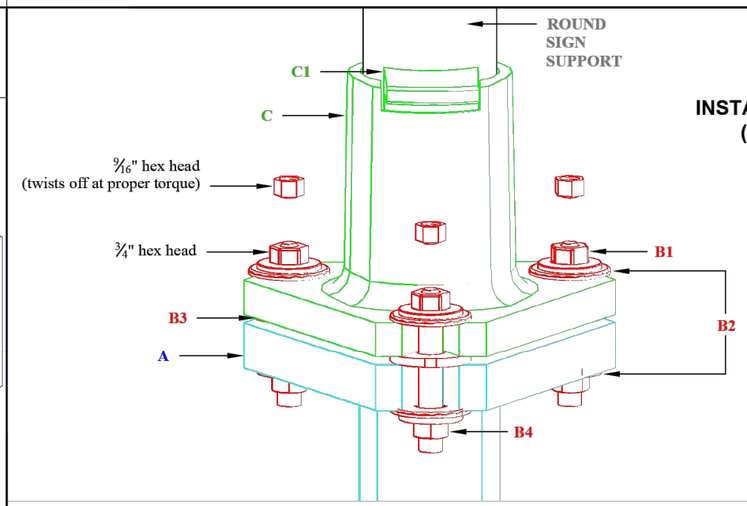
NOTE: Recommended footing size a minimum of 12" in diameter and 30" deep.

DIRECT DRIVEN *SOIL* INSTALLATION DETAIL



NOTE: Install with the widest bearing surface of the stabilizing wing parallel with the face of the sign.

INSTALLED VIEW (FRONT)



REINSTALLATION PROCEDURE:

NOTE: All match plate hardware components are generally reusable except the Redi-Torque Bolts **(B1)**

1. Remove sign support Locking Wedge **(C1)** from Upper Slip Plate**(C)** receiver with a hand held hammer.
2. Place Upper Slip Plate**(C)** on Lower Slip Plate of Unibase **(A)** to check for warpage and level of slip plates.
3. Visually check all welds and castings for fractures or other damage.
4. When assured both Lower Slip Plate **(A)** and Upper Slip Plate **(C)** are reusable employ new or reused hardware **(B)** with NEW Redi-Torque Bolts **(B1)** then follow installation procedures, starting with **STEP B**.

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WALWORTH COUNTY SHERIFF'S OFFICE

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flock safety

1170 HOWELL MILL ROAD SUITE 210
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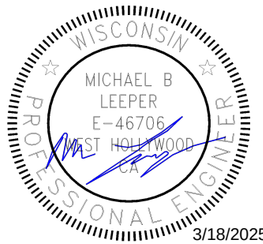

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FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION: WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
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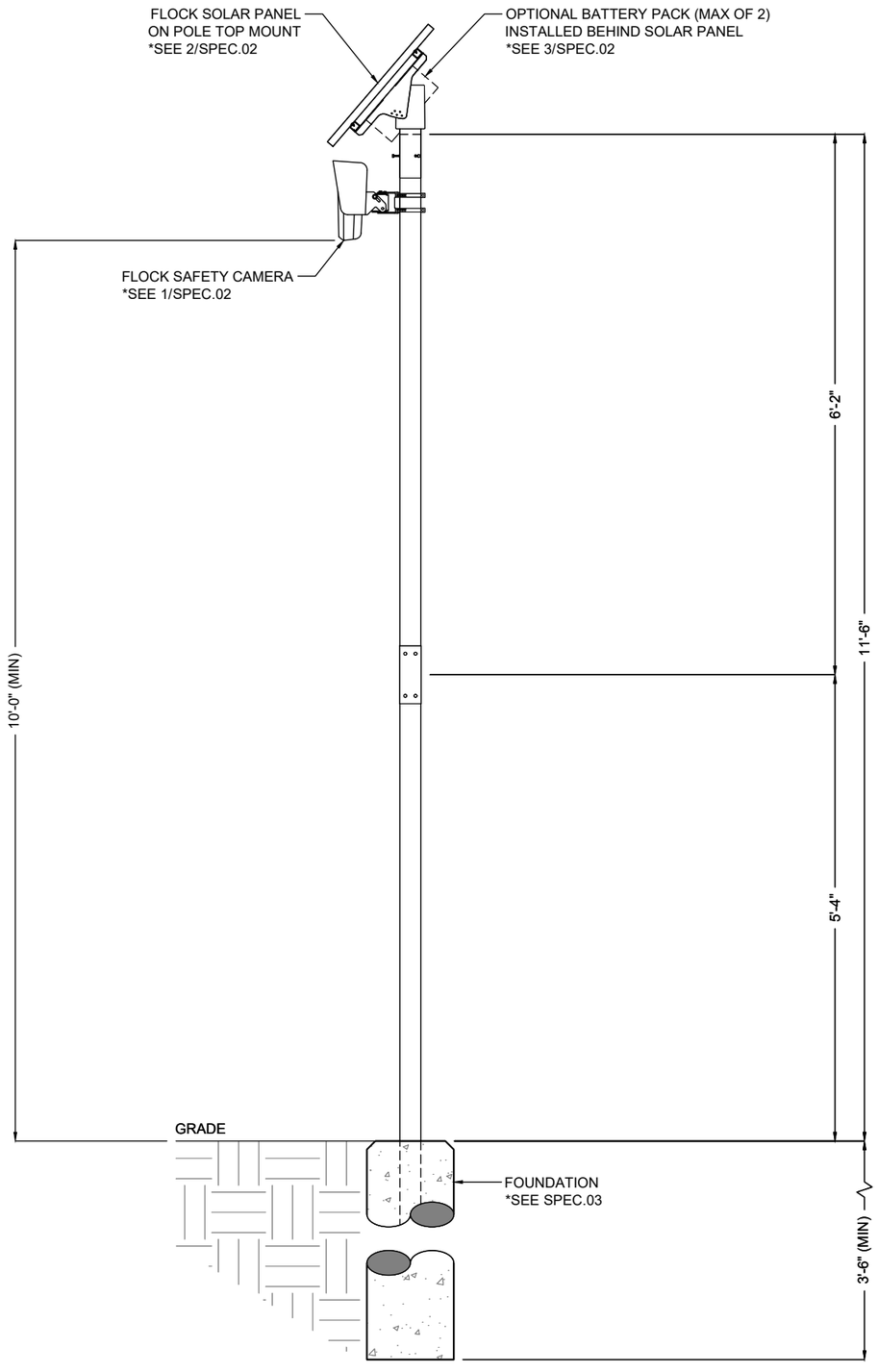

1 POLE ELEVATION DETAIL
SCALE: 1:20

DESIGN NOTES

1. POLE AND FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:
   1.1. 2009/2012/2015/2018/2021 INTERNATIONAL BUILDING CODE
   1.2. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMIN, TRAFFIC SIGNALS, 2015 EDITION.
2. POLE ANALYSIS AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWINGCRITERIA
   2.1. DESIGN WIND SPEED (Vult)): (SEE SECTION 2.6)
   2.2. RISK CATEGORY: II
   2.3. EXPOSURE CATEGORY: C
   2.4. TOPOGRAPHIC CATEGORY: 1
   2.5. SEISMIC DESIGN CRITERIA:
      2.5.1. SOIL SITE CLASS: D (ASSUMED)
      2.5.2. SPECTRAL RESPONSE, Ss: 1.000g (MAXIMUM)
      2.5.3. SPECTRAL RESPONSE, S1: 0.400G (MAXIMUM)
      2.5.4. SEISMIC DESIGN CATEGORY: B
   2.6. STRUCTURE BASE REACTIONS ARE CALCULATED AS FOLLOWS:

DESIGN WIND SPEED (MPH)	MOMENT (K-FT)	SHEAR (KIP)	AXIAL (KIP)
115	2.70	0.280	0.160
125	3.20	0.330	0.160
135 (MAX)	3.70	0.380	0.160

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PROFESSIONAL ENGINEER

3/18/2025

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FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION:
WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

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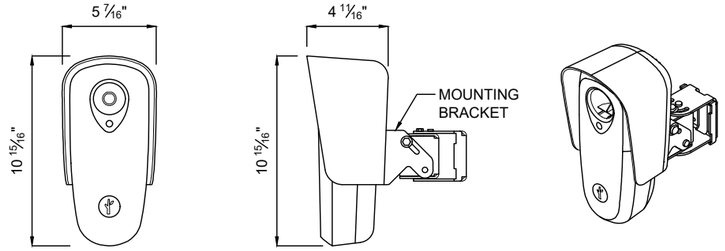

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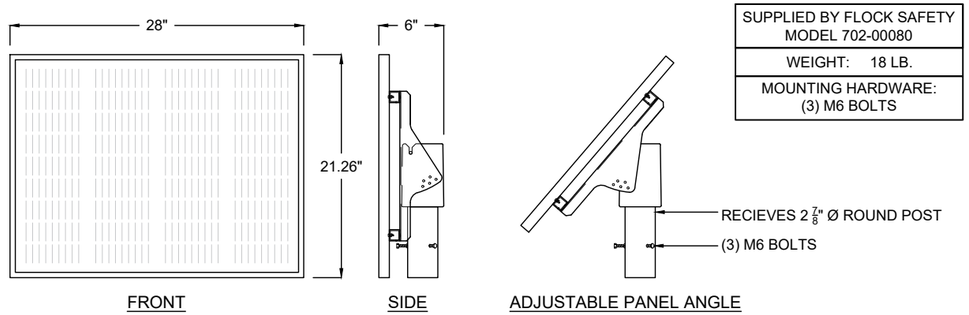
1 FLOCK SAFETY CAMERA

SCALE: N/A



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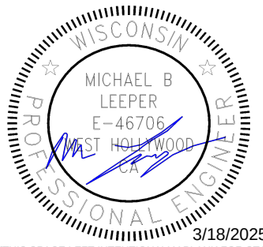

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COVER SHEET & LOCATION MAPS

SHEET:	REV:
SPEC.05	0

THIS DOCUMENT HAS BEEN DRAWN BASED OFF THE MOST RECENT AVAILABLE DATA & AERIAL IMAGERY. THIS INCLUDES RIGHT OF WAY, EXISTING UTILITIES, & PRIVATE PROPERTY LINES. IT REMAINS THE RESPONSIBILITY OF OTHERS TO VERIFY ALL DATA PRIOR AND EXISTING SURRONDING FACILITIES TO VERIFY & CONFLICTS ABOVE & BELOW GRADE. ALL CONSTRUCTION TO FOLLOW WISCONSIN DEPARTMENT OF TRANSPORTATION GENERAL GUIDELINES. DO NOT SCALE DRAWINGS. CALL 811 PRIOR TO DIGGING.

ITEM NO.	DESCRIPTION	QTY.
1	2.5" SCH 40 2.875OD 74.000L	1
2	2.5 SCH 40 2.875OD 94.000L	1
3	BUT TORX 0.250-20 TAMPER-RESISTANT	6
4	INSERT SLEEVE STYLE 7 TAPPED	1
5	ORING	1
6	WASHER	6
7	CONCRETE FOOTING	1
8	HBOLT 0.2500-20	1

PROVELI STYLE 7 COUPLER ASSEMBLY

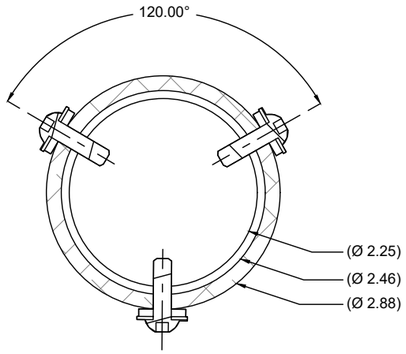
PART #: 1020-01

MATERIAL: VARIES

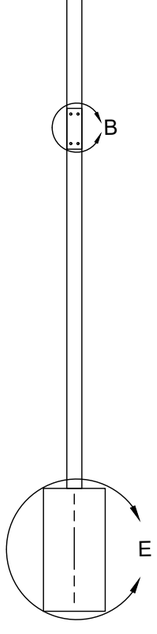
WEIGHT: 168.42 LBS

DATE: 09/27/2023

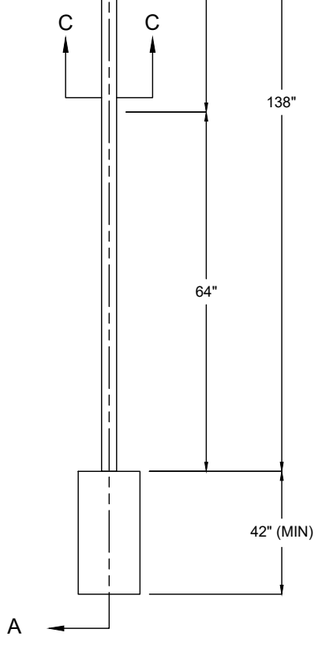
DO NOT SCALE DRAWINGS (NTS)

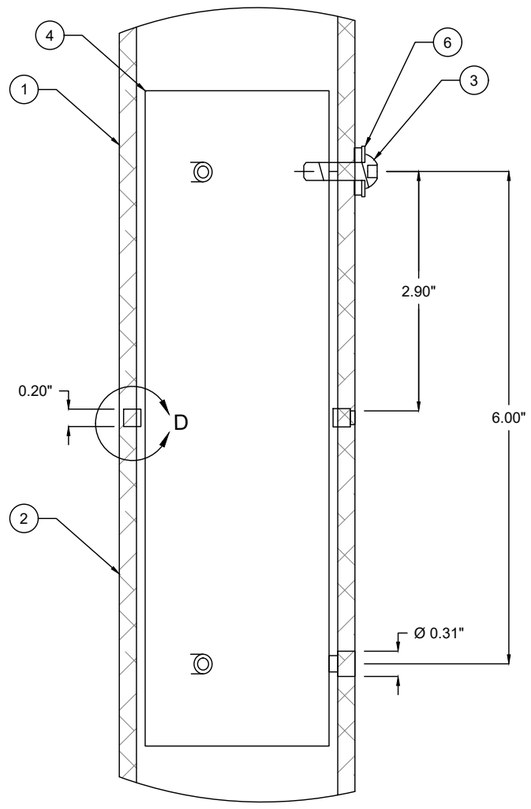


SECTION C-C

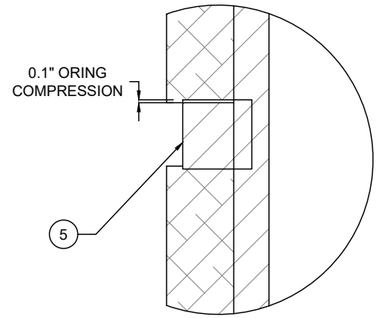


SECTION A-A

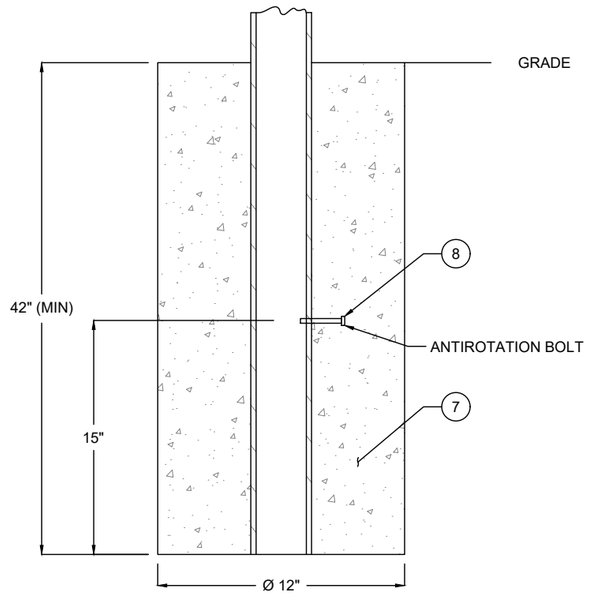




DETAIL B



DETAIL D



DETAIL E

NOTE: CONCRETE SHALL HAVE A MINMUM COMPRESIVE STRENGTH OF 3,000 PSI.

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WALWORTH COUNTY SHERIFF'S OFFICE

1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	01/22/2025	SWB	PRELIM

I HEARBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

WISCONSIN PROFESSIONAL ENGINEER
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA

3/18/2025

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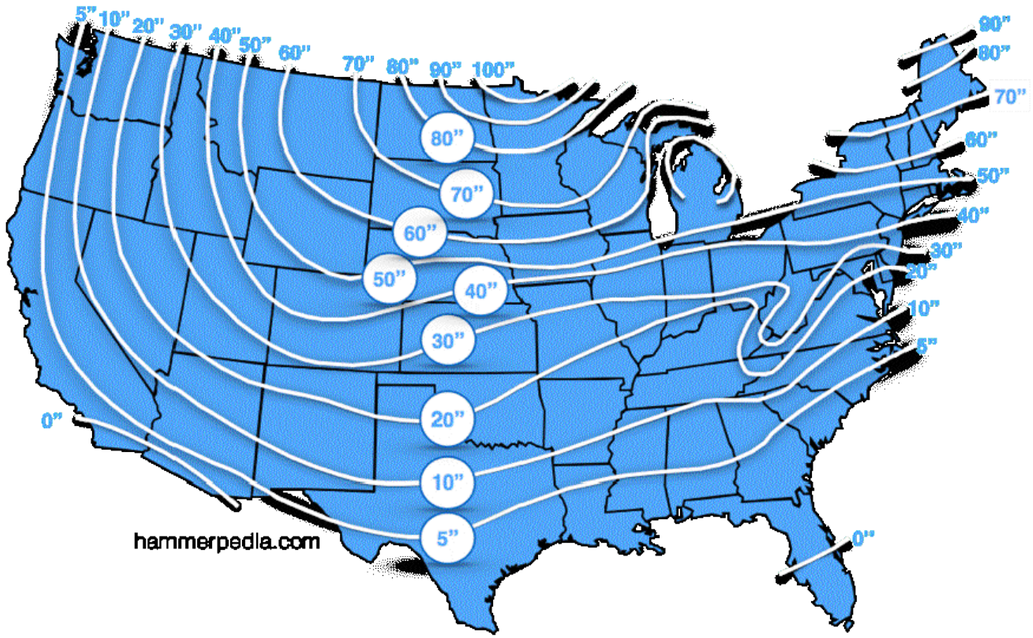
FLOCK SAFETY EQUIPMENT INSTALLATION

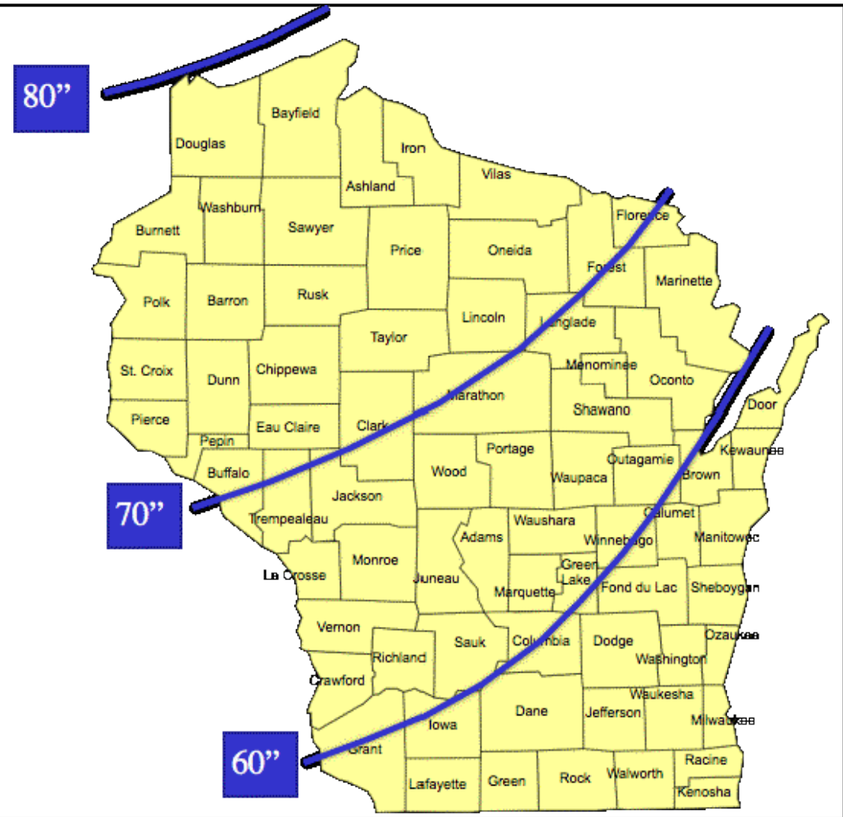
CASE NUMBER: 891348
PERMITTING JURISDICTION: WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
SPEC.06	0

THIS DOCUMENT HAS BEEN DRAWN BASED OFF THE MOST RECENT AVAILABLE DATA & AERIAL IMAGERY. THIS INCLUDES RIGHT OF WAY, EXISTING UTILITIES, & PRIVATE PROPERTY LINES. IT REMAINS THE RESPONSIBILITY OF OTHERS TO VERIFY ALL DATA PRIOR AND EXISTING SURRONDING FACILITIES TO VERIFY & CONFLICTS ABOVE & BELOW GRADE. ALL CONSTRUCTION TO FOLLOW WISCONSIN DEPARTMENT OF TRANSPORTATION GENERAL GUIDELINES. DO NOT SCALE DRAWINGS. CALL 811 PRIOR TO DIGGING.





COUNTY	DESIGN FROST DEPTH (IN.)	COUNTY	DESIGN FROST DEPTH (IN.)	COUNTY	DESIGN FROST DEPTH (IN.)
ADAMS	70	IRON	80	PRICE	80
ASHLAND	80	JACKSON	80	RACINE	60
BARRON	80	JEFFERSON	60	RICHLAND	70
BAYFIELD	80	JUNEAU	70	ROCK	60
BROWN	60	KENOSHA	60	RUSK	80
BUFFALO	80	KEWAUNEE	60	SAINT CROX	80
BURNETT	80	LA CROSSE	70	SAUK	70
CALUMET	60	LAFAYETTE	60	SAWYER	80
CHIPPEWA	80	LANGLADE	70	SHAWANO	70
CLARK	70	LINCOLN	80	SHEBOYGAN	60
COLUMBIA	60	MANITOWOC	60	TAYLOR	80
CRAWFORD	70	MARATHON	80	TREMPEALEAU	80
DANE	60	MARINETTE	60	VERNON	70
DODGE	60	MARQUETTE	70	VILAS	80
DOOR	60	MENOMINEE	70	WALWORTH	60
DOUGLAS	80	MILWAUKEE	60	WASHBURN	80
DUNN	80	MONROE	70	WASHINGTON	60
EAU CLAIRE	80	OCONTO	60	WAUKESHA	60
FLORENCE	70	ONEIDA	80	WAUPACA	70
FOND DU LAC	60	OUTAGAMIE	70	WAUSHARA	70
FOREST	70	OZAUKEE	60	WINNEBAGO	70
GRANT	60	PEPIN	80	WOOD	70
GREEN	60	PIERCE	80		
GREEN LAKE	70	POLK	80		
IOWA	60	PORTAGE	70		

NOTE:

1. ESTIMATED FROST DEPTHS FOR VARIOUS COUNTIES ARE LISTED IN THE ABOVE TABLES.
2. CONTRACTOR TO VERIFY FROST DEPTH IN ACCORDANCE WITH LOCAL JURISDICTION REQUIREMENTS.
3. FOUNDATION EMBEDMENT SHALL BE THE MNIIMUM OF THE DIMESNIONS SPECIFIED, OR 6" BELOW THE FROST DEPTH APPLICABLE TO THE SITE LOCATION.

[THIS SPACE LEFT INTENTIONALLY BLANK FOR STAMP]

WALWORTH COUNTY SHERIFF'S OFFICE

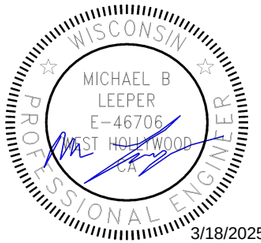
1770 COUNTY ROAD NN,
ELKHORN, WISCONSIN 53121

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	01/22/2025	SWB	PRELIM

I HEARBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.



3/18/2025

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LICENSE PLATE READER CAMERA INSTALLATION

CASE NUMBER: 891348
PERMITTING JURISDICTION:
WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
SPEC.07	0

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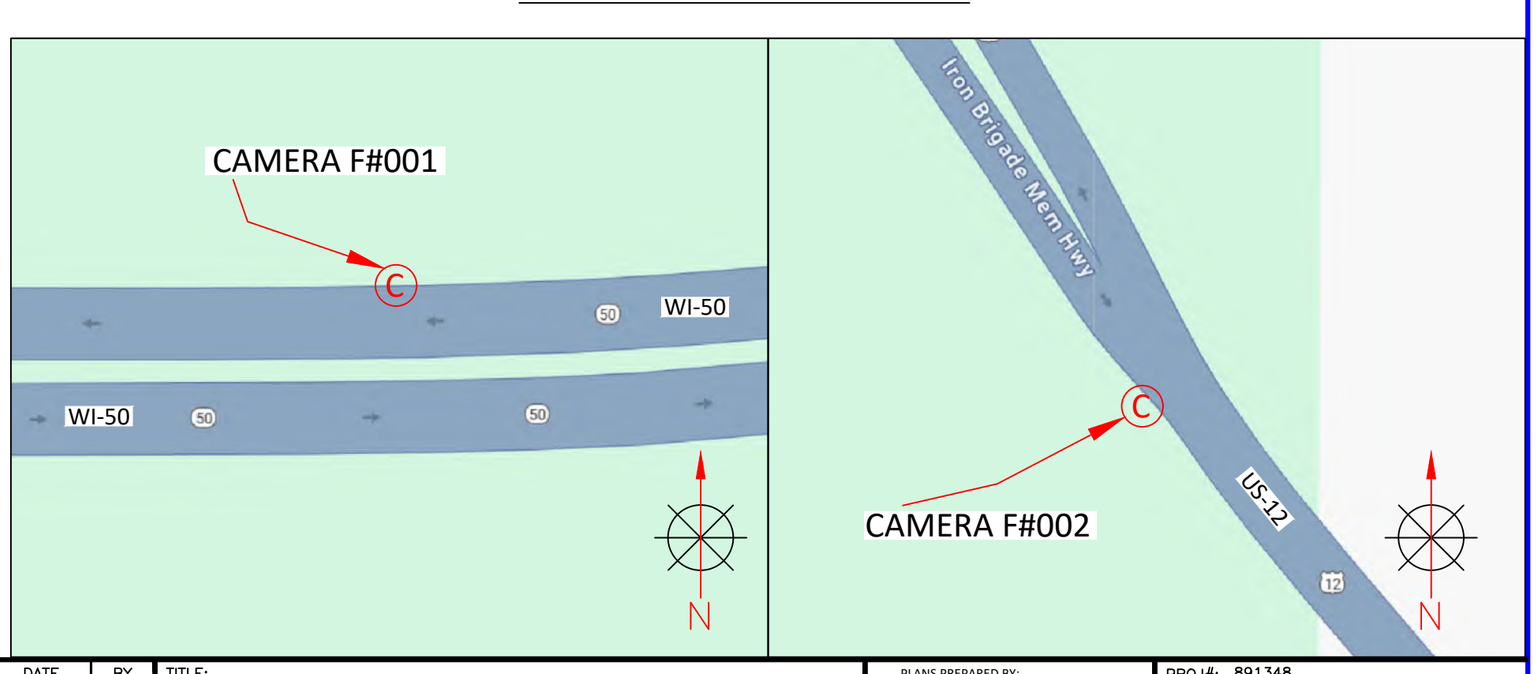
STATE OF WISCONSIN
WISCONSIN DEPARTMENT OF TRANSPORTATION (WISDOT)
SUBMITTED BY WALWORTH SHERIFF'S OFFICE
AUTOMATIC LICENSE PLATE READING (ALPR) CAMERAS PERMIT

flock safety

INDEX OF DRAWING:

- SHEET 1-2 : COVER SHEET AND CAMERA LOCATION MAP
- SHEET 3 : GENERAL NOTES AND TRAFFIC DESIGN TABLES
- SHEET 4 : CAMERA LOCATION INFORMATION
- SHEET 5-14 : TRAFFIC CONTROL PLAN
- SHEET 15-20 : POLE DETAILS

LOCATION / VICINITY MAP



811 Know what's below. Call before you dig.

WISCONSIN PROFESSIONAL ENGINEER
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
3/18/2025

flock safety

REV	DESCRIPTION	DATE	BY

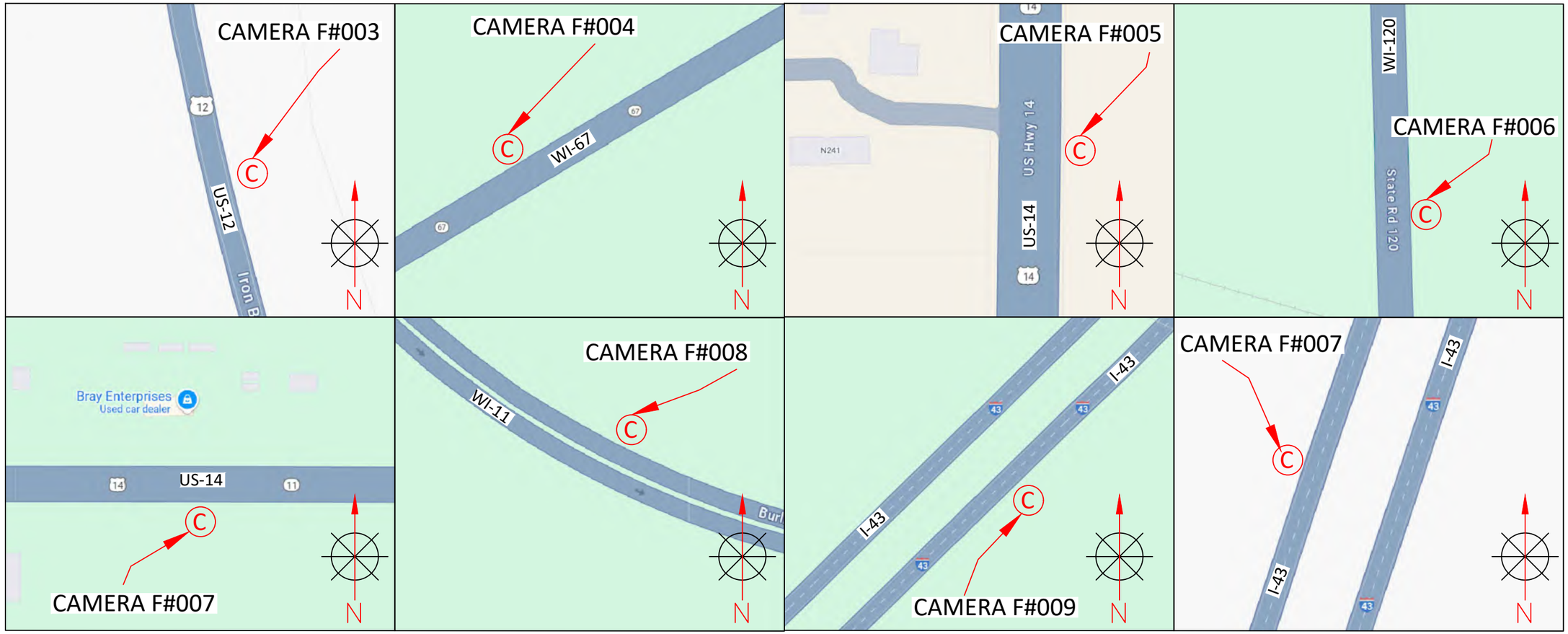
TITLE: COVER SHEET AND CAMERA LOCATION MAP

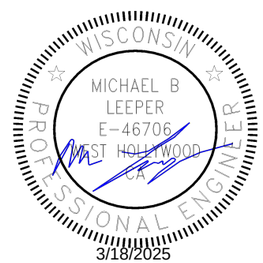
SCOPE OF WORK: WISDOT ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC A CONGRUEX® COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#: 891348
DRAWN BY: RAMAN DEEP SINGH
CHECKED BY: RAMAN DEEP SINGH
APPROVED BY: DANIELLE MAYBERRY
DATE: 02/07/2025 SHEET: 1 OF 20

LOCATION / VICINITY MAP





3/18/2025

flock safety

REV	DESCRIPTION	DATE	BY

TITLE: COVER SHEET AND CAMERA LOCATION MAP

SCOPE OF WORK: WISDOT
ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX® COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#: 891348
DRAWN BY: RAMAN DEEP SINGH
CHECKED BY: RAMAN DEEP SINGH
APPROVED BY: DANIELLE MAYBERRY
DATE: 02/07/2025 SHEET: 2 OF 20

GENERAL NOTES AND TRAFFIC DESIGN TABLES

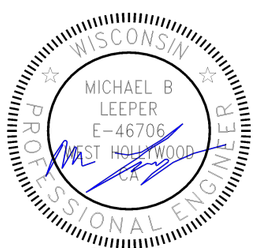
1. TRAFFIC CONTROL PLAN SHALL CONFORM TO THE MOST CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (FHWA) AND STATE STANDARD PLANS.
2. NO LANE CLOSURES PERMITTED BEFORE 9:00AM AND AFTER 3:00PM.
3. ALL AFFECTED RESIDENTS, BUSINESSES, AGENCIES, AND SCHOOLS SHALL BE GIVEN A 72 HOURS NOTICE PRIOR TO THE START OF WORK AND THEIR ACCESS SHALL BE MAINTAINED AT ALL TIMES.
4. TEMPORARY NO PARKING SIGNS SHALL BE POSTED 48 HOURS PRIOR TO START OF WORK.
5. ALL CONFLICTING SIGNS, STRIPING OR PAVEMENT MARKINGS SHALL BE COVERED OR REMOVED AND REPLACED WHEN WORK IS COMPLETED.
6. TRAFFIC DIRECTION THROUGH A SIGNALIZED INTERSECTION SHALL BE CONDUCTED BY THE CITY OF BURLINGTON UNIFORMED POLICE OFFICER OR A COMMUNITY SERVICE OFFICER ONLY. SHOULD WORK REQUIRE A SIGNAL TO BE OVERRIDDEN, ARRANGEMENT SHALL BE MADE WITH THE CITY POLICE DEPT AND TRANSPORTATION ENGINEERING DEPT AT LEAST 14 DAYS PRIOR TO START OF WORK.

Non-Freeway/Expressway OR MULTILANE DIVIDED 45 and under

Posted Speed Limit Prior to Work Starting (mph)		Advance Warning Sign Spacing (A) feet	Decision Sight Distance (D) feet	Taper Length (12 ft lane) (L) feet	Shifting Taper (12 ft lane) (L/2) feet	Buffer Space (B) feet
0-25	G=25ft	200	550	125 (5)	65 (3)	55 (1)
30		200	550	180 (8)	90 (4)	85 (2)
35		350	700	245 (10)	125 (5)	120 (3)
40		350	700	320 (13)	160 (7)	170 (4)
45	G=50ft	500	900	540 (11)	270 (5)	220 (2)
50		500	900	600 (12)	300 (6)	280 (3)
55		500	1200	660 (13)	330 (7)	335 (3)

Multi lane divided 50 mph and greater

Posted Speed Limit Prior to Work Starting (mph)		(X) Distance from Beginning of Taper	(Y) Distance from Lane Closed Sign to Road Work Ahead Sign	(Z) Distance from Lane Closed Sign to Road Work Ahead Sign	Taper Length (12 ft Lane) (L) feet	Shifting Taper (12 ft lane) (L/2) feet	Buffer Space (B) feet
50	G=50ft	1000	1600	2600	600 (12)	300 (6)	500 min. - 800 max. (5-8)
55					660 (13)	330 (7)	
60					720 (14)	360 (7)	
65					780 (15)	390 (8)	
70					840 (16)	420 (8)	



3/18/2025

flock safety

REV	DESCRIPTION	DATE	BY

TITLE: GENERAL NOTES AND TRAFFIC DESIGN TABLES

SCOPE OF WORK: WISDOT
ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#: 891348
DRAWN BY: RAMAN DEEP SINGH
CHECKED BY: RAMAN DEEP SINGH
APPROVED BY: DANIELLE MAYBERRY
DATE: 02/07/2025 SHEET: 3 OF 20

CAMERA LOCATION INFORMATION

CAMERA NO.	LOCATION			
	STREET	DIRECTION	LATITUDE LONGITUDE	POLE
F#001	WI-50	WESTBOUND	42.5817267566527,-88.3065992951491	X2 REDI TORQUE - SOIL PLATE
F#002	US-12	SOUTHBOUND	42.82511435840308,-88.76911992642815	X2 REDI TORQUE - SOIL PLATE
F#003	US-12	NORTHBOUND	42.49987995407659,-88.31646638928086	X2 REDI TORQUE - SOIL PLATE
F#004	WI-67	SOUTHBOUND	42.840777387671494,-88.53578773866529	NEW FLOCK POLE
F#005	US-14	NORTHBOUND	42.50002497159503,-88.59922182774287	X2 REDI TORQUE - SOIL PLATE
F#006	WI-120	NORTHBOUND	42.5007049987598,-88.44223527193115	X2 REDI TORQUE - SOIL PLATE
F#007	WI-11	EASTBOUND	42.652662910581846,-88.77355993705434	X2 REDI TORQUE - SOIL PLATE
F#008	WI-11	WESTBOUND	42.66116494257206,-88.31188931671497	X2 REDI TORQUE - SOIL PLATE
F#009	I-43	NORTHBOUND	42.58771206215035,-88.75458543302278	NEW FLOCK POLE
F#010	I-43	SOUTHBOUND	42.79329593779207,-88.38492402487658	NEW FLOCK POLE

WISCONSIN
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
PROFESSIONAL ENGINEER
3/18/2025

flock safety

REV	DESCRIPTION	DATE	BY

TITLE: CAMERA LOCATION INFORMATION

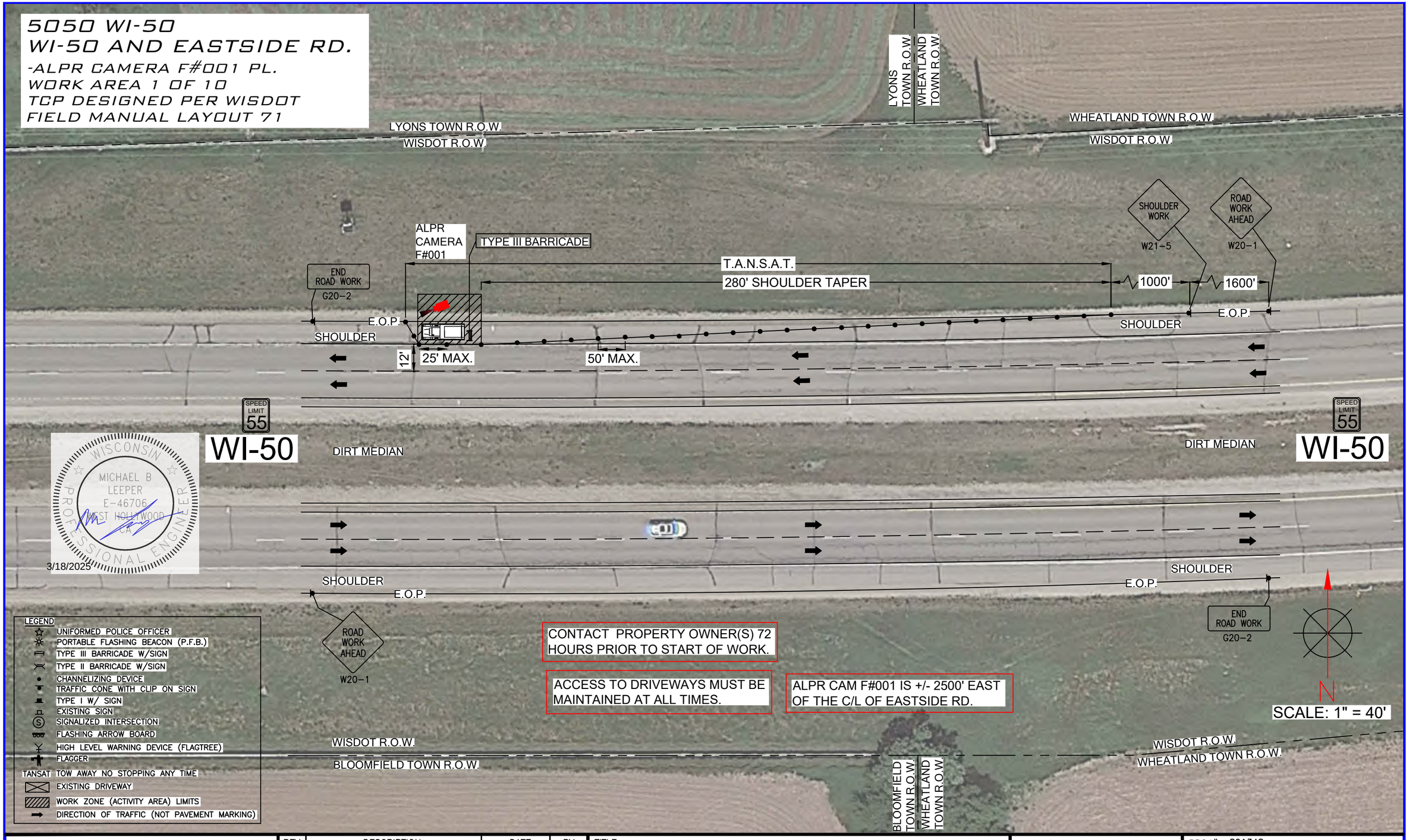
SCOPE OF WORK: WISDOT
ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX® COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#: 891348
DRAWN BY: RAMAN DEEP SINGH
CHECKED BY: RAMAN DEEP SINGH
APPROVED BY: DANIELLE MAYBERRY
DATE: 02/07/2025 SHEET: 4 OF 20

5050 WI-50
WI-50 AND EASTSIDE RD.

-ALPR CAMERA F#001 PL.
WORK AREA 1 OF 10
TCP DESIGNED PER WISDOT
FIELD MANUAL LAYOUT 71



WISCONSIN
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
PROFESSIONAL ENGINEER

3/18/2025

LEGEND

- UNIFORMED POLICE OFFICER
- PORTABLE FLASHING BEACON (P.F.B.)
- TYPE III BARRICADE W/SIGN
- TYPE II BARRICADE W/SIGN
- CHANNELIZING DEVICE
- TRAFFIC CONE WITH CLIP ON SIGN
- TYPE I W/ SIGN
- EXISTING SIGN
- SIGNALIZED INTERSECTION
- FLASHING ARROW BOARD
- HIGH LEVEL WARNING DEVICE (FLAGTREE)
- FLAGGER
- TANSAT TOW AWAY NO STOPPING ANY TIME
- EXISTING DRIVEWAY
- WORK ZONE (ACTIVITY AREA) LIMITS
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)

CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.

ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

ALPR CAM F#001 IS +/- 2500' EAST OF THE C/L OF EASTSIDE RD.

flock safety

REV	DESCRIPTION	DATE	BY

TITLE: TRAFFIC CONTROL PLAN

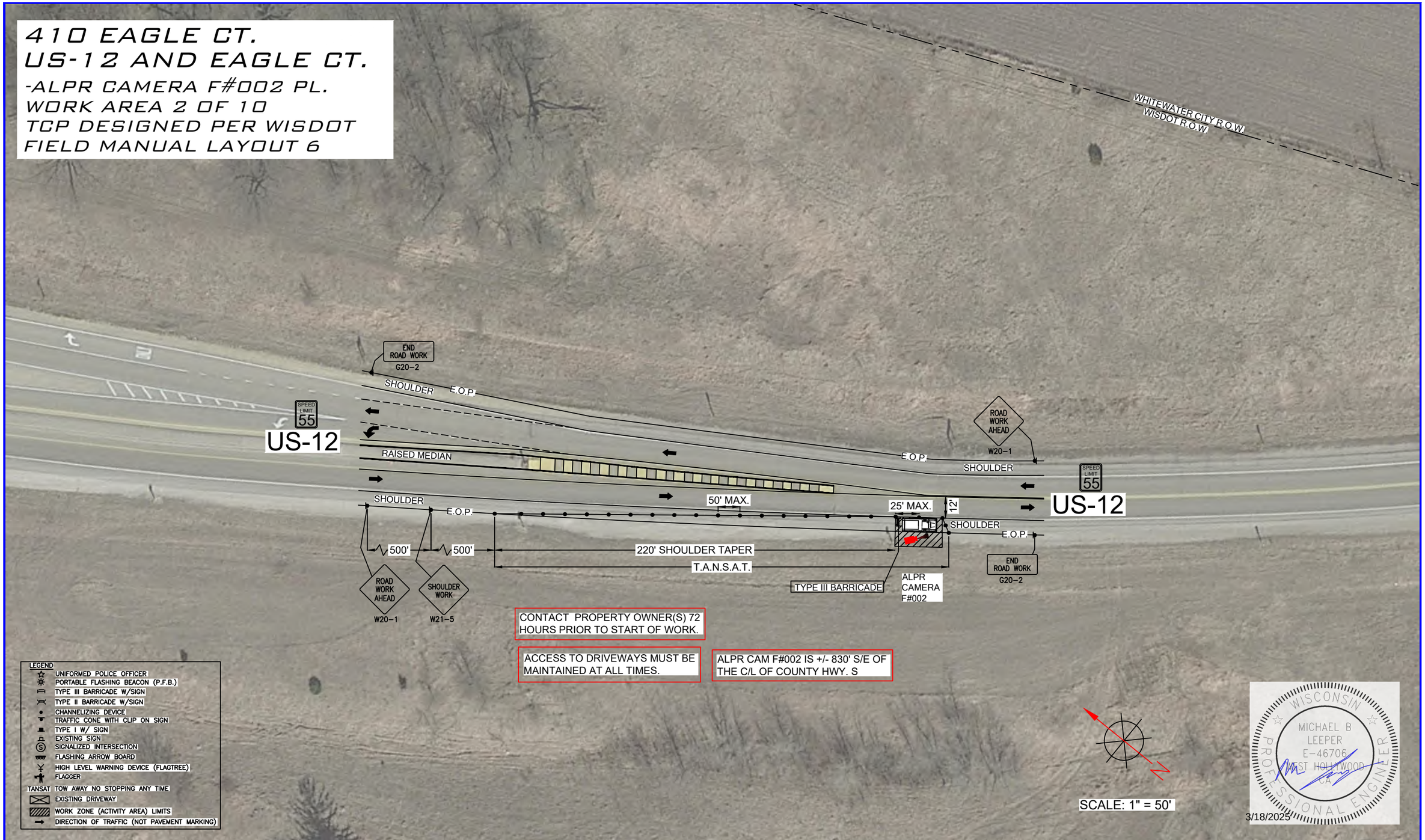
SCOPE OF WORK: WISDOT
ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#:	891348
DRAWN BY:	RAMAN DEEP SINGH
CHECKED BY:	RAMAN DEEP SINGH
APPROVED BY:	DANIELLE MAYBERRY
DATE: 02/07/2025	SHEET: 5 OF 20

410 EAGLE CT.
US-12 AND EAGLE CT.

-ALPR CAMERA F#002 PL.
WORK AREA 2 OF 10
TCP DESIGNED PER WISDOT
FIELD MANUAL LAYOUT 6



CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.

ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

ALPR CAM F#002 IS +/- 830' S/E OF THE C/L OF COUNTY HWY. S

LEGEND
- UNIFORMED POLICE OFFICER
- PORTABLE FLASHING BEACON (P.F.B.)
- TYPE III BARRICADE W/SIGN
- TYPE II BARRICADE W/SIGN
- CHANNELIZING DEVICE
- TRAFFIC CONE WITH CLIP ON SIGN
- TYPE I W/ SIGN
- EXISTING SIGN
- SIGNALIZED INTERSECTION
- FLASHING ARROW BOARD
- HIGH LEVEL WARNING DEVICE (FLAGTREE)
- FLAGGER
- TANSAT TOW AWAY NO STOPPING ANY TIME
- EXISTING DRIVEWAY
- WORK ZONE (ACTIVITY AREA) LIMITS
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)

SCALE: 1" = 50'

WISCONSIN PROFESSIONAL ENGINEER
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
3/18/2025

flock safety

REV	DESCRIPTION	DATE	BY

TITLE: TRAFFIC CONTROL PLAN

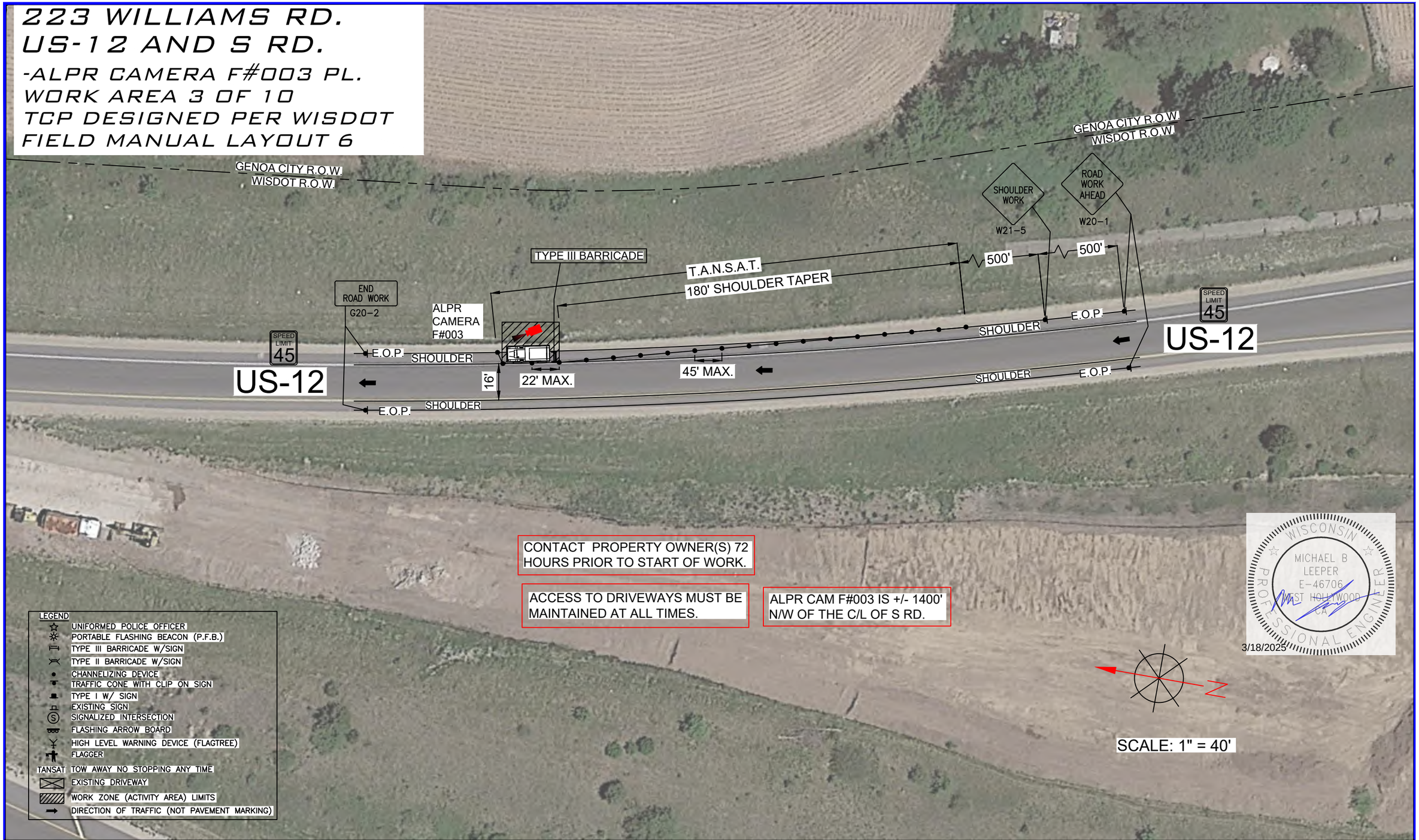
SCOPE OF WORK: WISDOT
ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX® COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#:	891348
DRAWN BY:	RAMAN DEEP SINGH
CHECKED BY:	RAMAN DEEP SINGH
APPROVED BY:	DANIELLE MAYBERRY
DATE: 02/07/2025	SHEET: 6 OF 20

223 WILLIAMS RD.
US-12 AND S RD.

-ALPR CAMERA F#003 PL.
WORK AREA 3 OF 10
TCP DESIGNED PER WISDOT
FIELD MANUAL LAYOUT 6



CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.

ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

ALPR CAM F#003 IS +/- 1400' N/W OF THE C/L OF S RD.

LEGEND

- UNIFORMED POLICE OFFICER
- PORTABLE FLASHING BEACON (P.F.B.)
- TYPE III BARRICADE W/SIGN
- TYPE II BARRICADE W/SIGN
- CHANNELIZING DEVICE
- TRAFFIC CONE WITH CLIP ON SIGN
- TYPE I W/ SIGN
- EXISTING SIGN
- SIGNALIZED INTERSECTION
- FLASHING ARROW BOARD
- HIGH LEVEL WARNING DEVICE (FLAGTREE)
- FLAGGER
- TANSAT TOW AWAY NO STOPPING ANY TIME
- EXISTING DRIVEWAY
- WORK ZONE (ACTIVITY AREA) LIMITS
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)

N

SCALE: 1" = 40'

WISCONSIN
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
PROFESSIONAL ENGINEER
3/18/2025

flock safety

REV	DESCRIPTION	DATE	BY

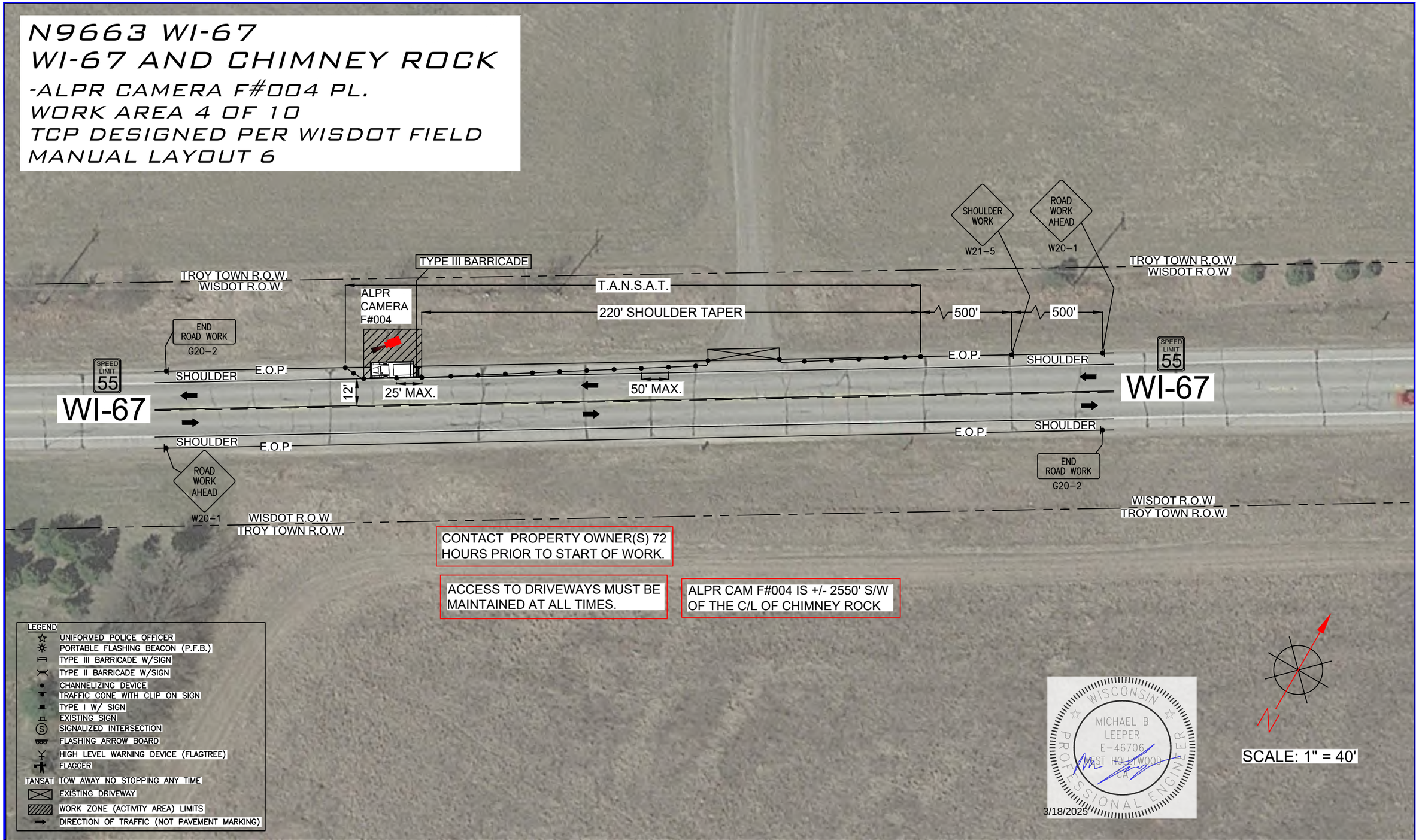
TITLE: TRAFFIC CONTROL PLAN

SCOPE OF WORK: WISDOT
ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#: 891348
DRAWN BY: RAMAN DEEP SINGH
CHECKED BY: RAMAN DEEP SINGH
APPROVED BY: DANIELLE MAYBERRY
DATE: 02/07/2025 SHEET: 7 OF 20

N9663 WI-67
WI-67 AND CHIMNEY ROCK
-ALPR CAMERA F#004 PL.
WORK AREA 4 OF 10
TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 6



flock safety

REV	DESCRIPTION	DATE	BY

TITLE: TRAFFIC CONTROL PLAN

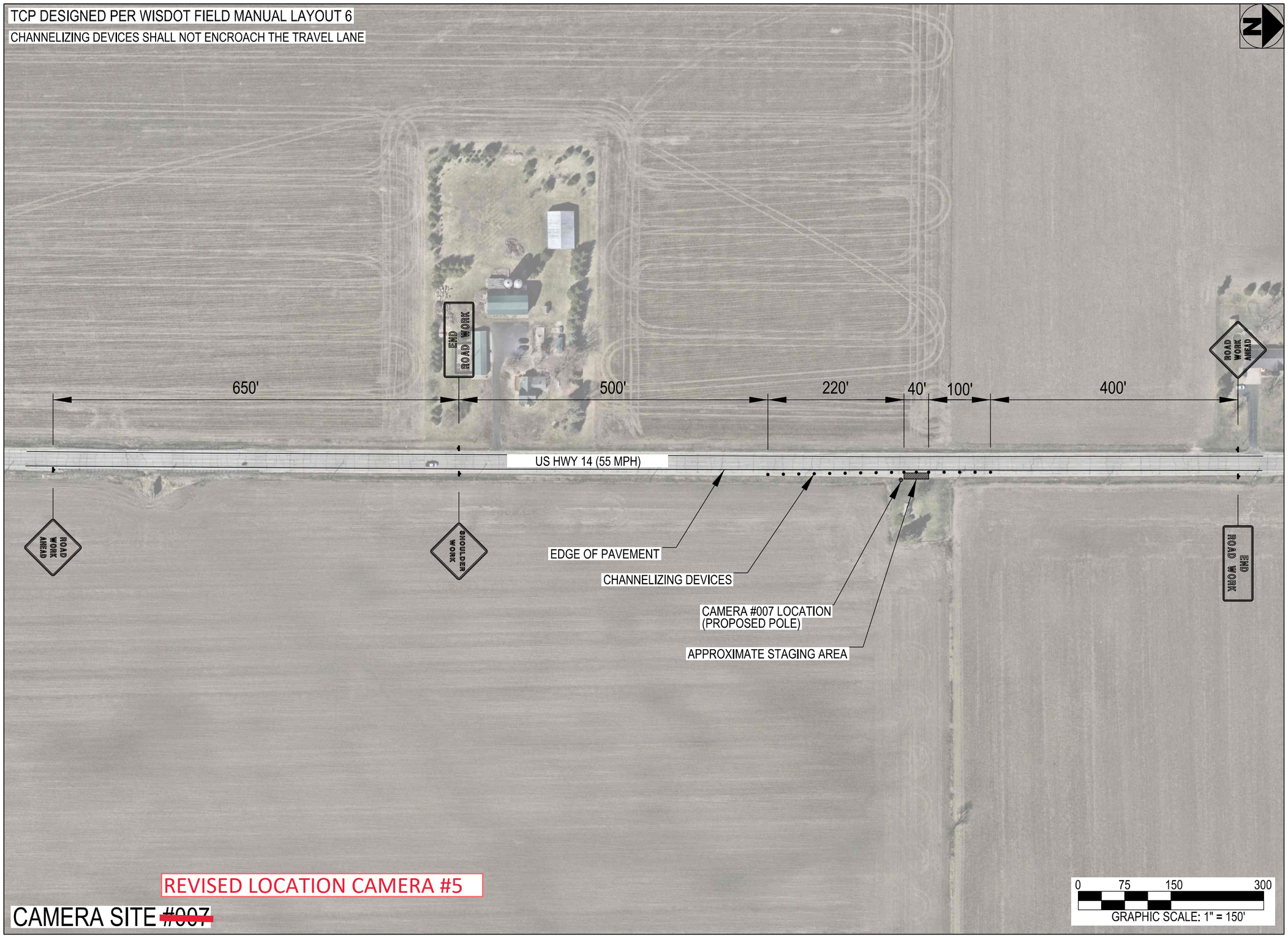
SCOPE OF WORK: WISDOT
ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#:	891348
DRAWN BY:	RAMAN DEEP SINGH
CHECKED BY:	RAMAN DEEP SINGH
APPROVED BY:	DANIELLE MAYBERRY
DATE:	02/07/2025
SHEET:	8 OF 20

TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 6

CHANNELIZING DEVICES SHALL NOT ENCROACH THE TRAVEL LANE



REVISED LOCATION CAMERA #5

CAMERA SITE ~~#007~~

0 75 150 300

GRAPHIC SCALE: 1" = 150'

flock safety

PROJECT INFORMATION:

WALWORTH COUNTY
SHERIFF'S OFFICE
LICENSE PLATE READER
TRAFFIC CONTROL PLANS

PLANS PREPARED BY:

Kimley»Horn
817 WEST PEACHTREE STREET,
NW, SUITE 601,
ATLANTA, GA 30308
PHONE: (404) 419-8700
WWW.KIMLEY-HORN.COM

REV: DATE: ISSUED FOR: BY:

8			
7			
6			
5			
4			
3			
2			
1			
0	07/10/25	PERMITTING	MRD

LICENSER

WISCONSIN
HEATHER W. THAYER
50169-6
RALEIGH, NC
PROFESSIONAL ENGINEER
07/22/25

KHA PROJECT NUMBER:

014681002.1.100

DRAWN BY:	CHECKED BY:
WRB	MRD

SHEET TITLE:

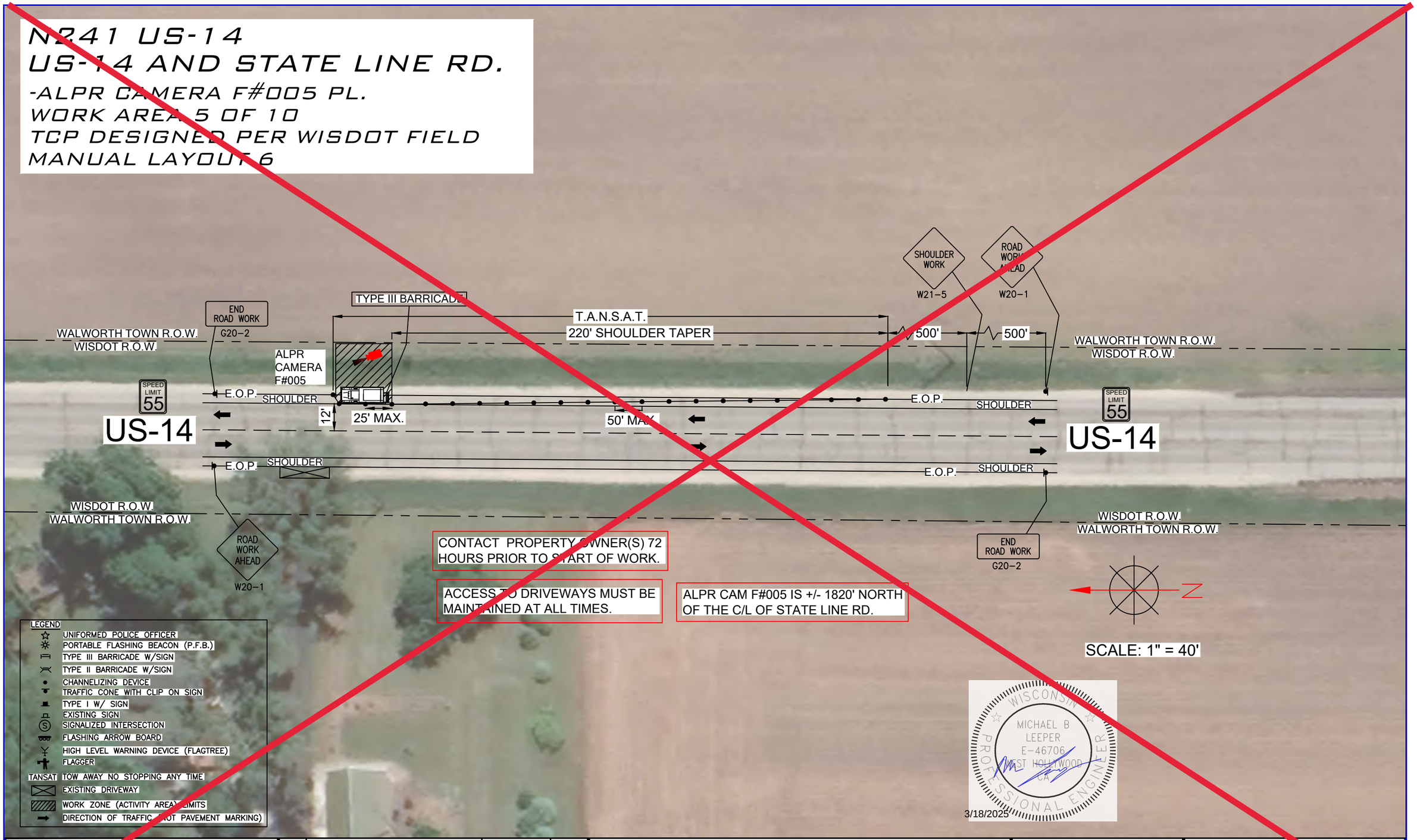
TRAFFIC CONTROL PLAN

SHEET NUMBER:

TC.01

N241 US-14
US-14 AND STATE LINE RD.

-ALPR CAMERA F#005 PL.
WORK AREA 5 OF 10
TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 6



WISCONSIN
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD
CA
PROFESSIONAL ENGINEER

3/18/2025

flock safety

REV	DESCRIPTION	DATE	BY

TITLE: TRAFFIC CONTROL PLAN

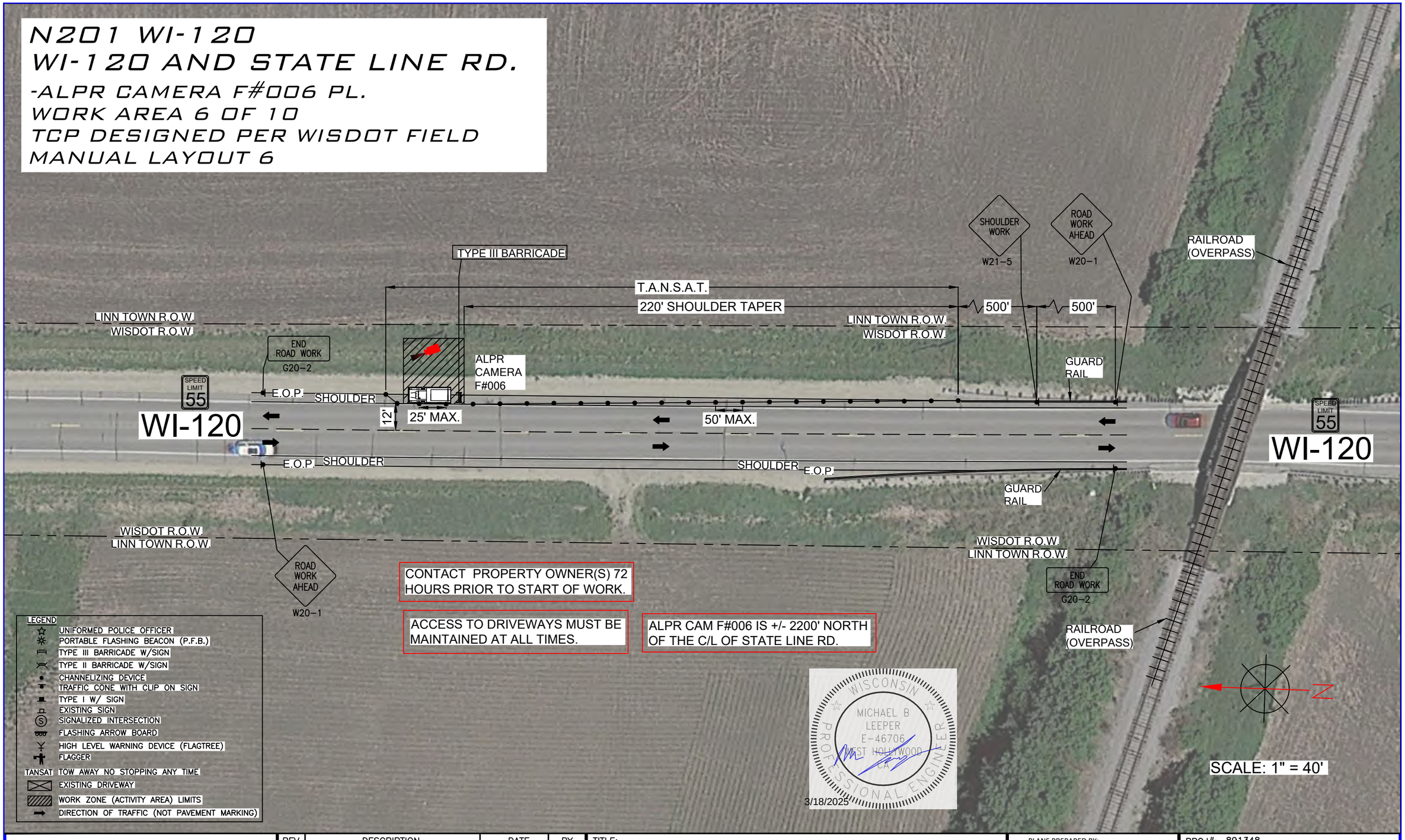
SCOPE OF WORK: WISDOT
ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX® COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#: 891348
DRAWN BY: RAMAN DEEP SINGH
CHECKED BY: RAMAN DEEP SINGH
APPROVED BY: DANIELLE MAYBERRY
DATE: 02/07/2025 SHEET: 9 OF 20

N201 WI-120
WI-120 AND STATE LINE RD.

-ALPR CAMERA F#006 PL.
WORK AREA 6 OF 10
TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 6



CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.

ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

ALPR CAM F#006 IS +/- 2200' NORTH OF THE C/L OF STATE LINE RD.

LEGEND

- UNIFORMED POLICE OFFICER
- PORTABLE FLASHING BEACON (P.F.B.)
- TYPE III BARRICADE W/SIGN
- TYPE II BARRICADE W/SIGN
- CHANNELIZING DEVICE
- TRAFFIC CONE WITH CLIP ON SIGN
- TYPE I W/ SIGN
- EXISTING SIGN
- SIGNALIZED INTERSECTION
- FLASHING ARROW BOARD
- HIGH LEVEL WARNING DEVICE (FLAGTREE)
- FLAGGER
- TANSAT TOW AWAY NO STOPPING ANY TIME
- EXISTING DRIVEWAY
- WORK ZONE (ACTIVITY AREA) LIMITS
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)

WISCONSIN PROFESSIONAL ENGINEER
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
3/18/2025

SCALE: 1" = 40'

flock safety

REV	DESCRIPTION	DATE	BY

TITLE: TRAFFIC CONTROL PLAN

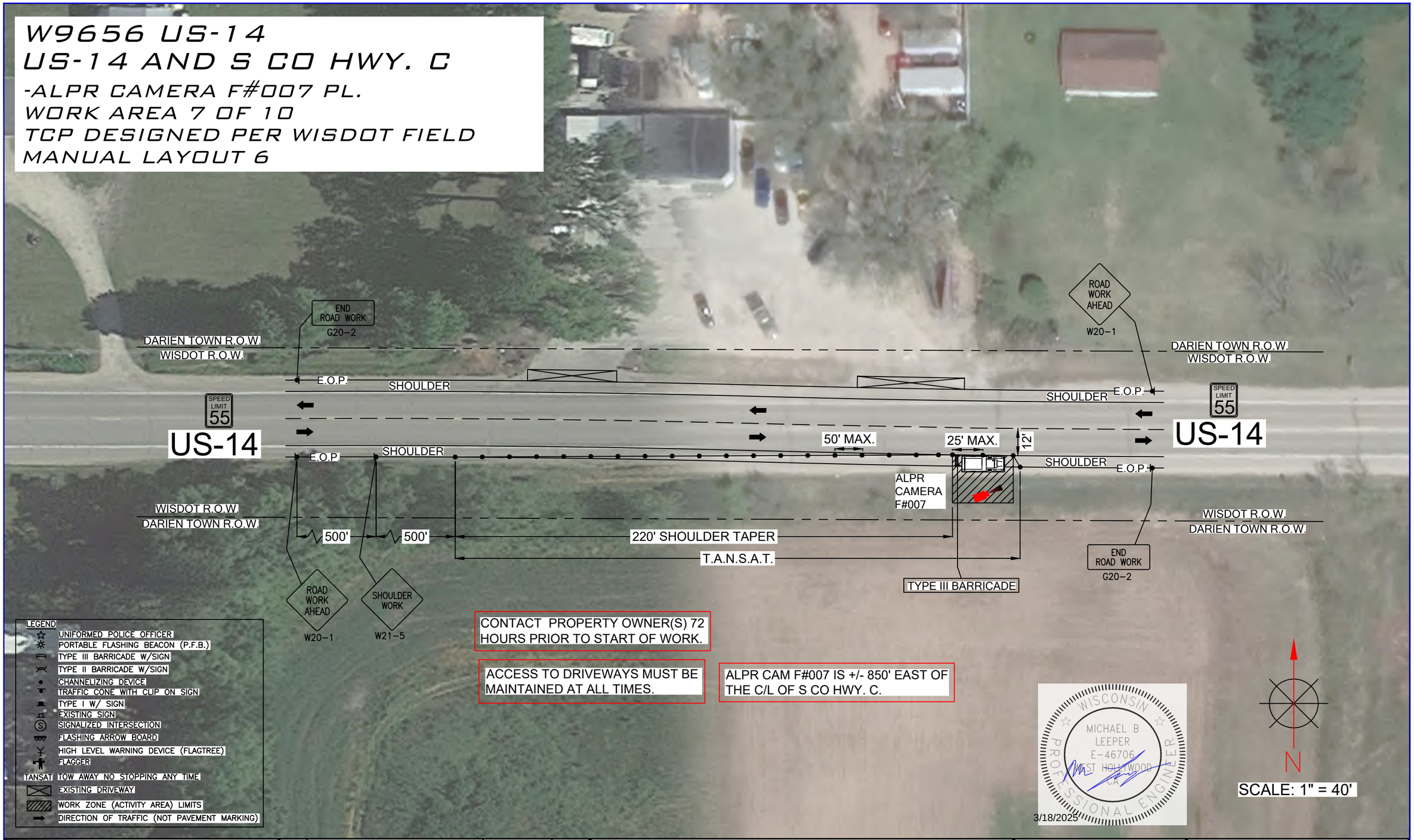
SCOPE OF WORK: WISDOT ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#: 891348
DRAWN BY: RAMAN DEEP SINGH
CHECKED BY: RAMAN DEEP SINGH
APPROVED BY: DANIELLE MAYBERRY
DATE: 02/07/2025 SHEET: 10 OF 20

W9656 US-14
US-14 AND S CO HWY. C

-ALPR CAMERA F#007 PL.
WORK AREA 7 OF 10
TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 6



LEGEND
- UNIFORMED POLICE OFFICER
- PORTABLE FLASHING BEACON (P.F.B.)
- TYPE III BARRICADE W/SIGN
- TYPE II BARRICADE W/SIGN
- CHANNELIZING DEVICE
- TRAFFIC CONE WITH CLIP ON SIGN
- TYPE I W/ SIGN
- EXISTING SIGN
- SIGNALIZED INTERSECTION
- FLASHING ARROW BOARD
- HIGH LEVEL WARNING DEVICE (FLAGTREE)
- FLAGGER
- TANSAT TOW AWAY NO STOPPING ANY TIME
- EXISTING DRIVEWAY
- WORK ZONE (ACTIVITY AREA) LIMITS
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)

CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.

ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

ALPR CAM F#007 IS +/- 850' EAST OF THE C/L OF S CO HWY. C.

WISCONSIN PROFESSIONAL ENGINEER
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
3/18/2025

N

SCALE: 1" = 40'

flock safety

REV	DESCRIPTION	DATE	BY

TITLE: TRAFFIC CONTROL PLAN

SCOPE OF WORK: WISDOT ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX® COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#: 891348
DRAWN BY: RAMAN DEEP SINGH
CHECKED BY: RAMAN DEEP SINGH
APPROVED BY: DANIELLE MAYBERRY
DATE: 02/07/2025 SHEET: 11 OF 20

1225 SPRING VALLEY RD.
WI-11 AND SPRING VALLEY RD.

-ALPR CAMERA F#008 PL.
WORK AREA 8 OF 10
TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 71

ALPR CAM F#008 IS +/- 1300' N/W OF THE C/L OF SPRING VALLEY RD.

CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.

ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

LEGEND
- UNIFORMED POLICE OFFICER
- PORTABLE FLASHING BEACON (P.F.B.)
- TYPE III BARRICADE W/SIGN
- TYPE II BARRICADE W/SIGN
- CHANNELIZING DEVICE
- TRAFFIC CONE WITH CLIP ON SIGN
- TYPE I W/ SIGN
- EXISTING SIGN
- SIGNALIZED INTERSECTION
- FLASHING ARROW BOARD
- HIGH LEVEL WARNING DEVICE (FLAGTREE)
- FLAGGER
- TANSAT TOW AWAY NO STOPPING ANY TIME
- EXISTING DRIVEWAY
- WORK ZONE (ACTIVITY AREA) LIMITS
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)

LYONS TOWN R.O.W.
WISDOT R.O.W.
BURLINGTON CITY R.O.W.
LYONS TOWN R.O.W.
BURLINGTON CITY R.O.W.
WISDOT R.O.W.
END ROAD WORK G20-2
ALPR CAMERA F#008
TYPE III BARRICADE
T.A.N.S.A.T.
280' SHOULDER TAPER
SHOULDER WORK W21-5
ROAD WORK AHEAD W20-1
1000'
1600'
E.O.P.
SHOULDER
12'
25' MAX.
50' MAX.
FOGLINE
SPEED LIMIT 55
WI-11
DIRT MEDIAN
FOGLINE
SHOULDER
E.O.P.
ROAD WORK AHEAD W20-1
WISDOT R.O.W.
LYONS TOWN R.O.W.
SCALE: 1" = 40'
N
WISCONSIN PROFESSIONAL ENGINEER
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
3/18/2025
WISDOT R.O.W
LYONS TOWN R.O.W.
WI-11
SPEED LIMIT 55
END ROAD WORK G20-2

flock safety

REV	DESCRIPTION	DATE	BY

TITLE: TRAFFIC CONTROL PLAN

SCOPE OF WORK: WISDOT ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#:	891348
DRAWN BY:	RAMAN DEEP SINGH
CHECKED BY:	RAMAN DEEP SINGH
APPROVED BY:	DANIELLE MAYBERRY
DATE: 02/07/2025	SHEET: 12 OF 20

REVISED TC FOR CAMERA #9

TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 71

CHANNELIZING DEVICES SHALL NOT ENCROACH THE TRAVEL LANE

CAMERA SITE #9

Flock safety

PROJECT INFORMATION:

WALWORTH COUNTY
SHERIFF'S OFFICE
LICENSE PLATE READER
TRAFFIC CONTROL PLANS

PLANS PREPARED BY:

Kimley»Horn
817 WEST PEACHTREE STREET,
NW, SUITE 601,
ATLANTA, GA 30308
PHONE: (404) 419-8700
WWW.KIMLEY-HORN.COM

REV: | DATE: | ISSUED FOR: | BY:

8			
7			
6			
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4			
3			
2			
1			
0	07/10/2025	PERMITTING	MRD

LICENSER

WISCONSIN
HEATHER W. THAYER
50169-6
RALEIGH, NC
PROFESSIONAL ENGINEER
07/25/25

KHA PROJECT NUMBER

014681002.1.100

DRAWN BY:	CHECKED BY:
WRB	MRD

SHEET TITLE:

TRAFFIC CONTROL PLAN

SHEET NUMBER:

TC.01

N2693 N RD.
I-43 AND N RD.

-ALPR CAMERA F#009 PL.
WORK AREA 9 OF 10
TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 71

CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.

ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

ALPR CAM F#009 IS +/- 2300' N/E OF THE C/L OF N RD.

END ROAD WORK G20-2

ROAD WORK AHEAD W20-1

SHOULDER

E.O.P.

SHOULDER

SHOULDER

SHOULDER

SPEED LIMIT 70

I-43

DIRT MEDIAN

DIRT MEDIAN

SPEED LIMIT 70

I-43

GUARD RAIL

SHOULDER

SHOULDER

50' MAX.

25' MAX.

12'

SHOULDER

E.O.P.

SHOULDER

GUARD RAIL

ALPR CAMERA F#009

END ROAD WORK G20-2

1600'

1000'

280' SHOULDER TAPER

T.A.N.S.A.T.

ROAD WORK AHEAD W20-1

SHOULDER WORK W21-5

TYPE III BARRICADE

LEGEND

- UNIFORMED POLICE OFFICER
- PORTABLE FLASHING BEACON (P.F.B.)
- TYPE III BARRICADE W/SIGN
- TYPE II BARRICADE W/SIGN
- CHANNELIZING DEVICE
- TRAFFIC CONE WITH CLIP ON SIGN
- TYPE I W/ SIGN
- EXISTING SIGN
- SIGNALIZED INTERSECTION
- FLASHING ARROW BOARD
- HIGH LEVEL WARNING DEVICE (FLAGTREE)
- FLAGGER
- TANSAT TOW AWAY NO STOPPING ANY TIME
- EXISTING DRIVEWAY
- WORK ZONE (ACTIVITY AREA) LIMITS
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)

WISDOT R.O.W.
DARIEN TOWN R.O.W.

WISDOT R.O.W.
DARIEN TOWN R.O.W.

WISCONSIN
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
PROFESSIONAL ENGINEER
3/18/2025

SCALE: 1" = 40'

flock safety

REV	DESCRIPTION	DATE	BY

TITLE: TRAFFIC CONTROL PLAN

SCOPE OF WORK: WISDOT
ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC
A CONGRUEX® COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#:	891348
DRAWN BY:	RAMAN DEEP SINGH
CHECKED BY:	RAMAN DEEP SINGH
APPROVED BY:	DANIELLE MAYBERRY
DATE: 02/07/2025	SHEET: 13 OF 20

1880 MAIN ST.
I-43 AND MAIN ST.

-ALPR CAMERA F#010 PL.
WORK AREA 10 OF 10
TCP DESIGNED PER WISDOT FIELD MANUAL LAYOUT 71

CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.

ACCESS TO DRIVEWAYS MUST BE MAINTAINED AT ALL TIMES.

ALPR CAM F#010 IS +/- 400' N/E OF THE C/L OF NORTH ST. (WI-20)

LEGEND
- UNIFORMED POLICE OFFICER
- PORTABLE FLASHING BEACON (P.F.B.)
- TYPE III BARRICADE W/SIGN
- TYPE II BARRICADE W/SIGN
- CHANNELIZING DEVICE
- TRAFFIC CONE WITH CLIP ON SIGN
- TYPE I W/ SIGN
- EXISTING SIGN
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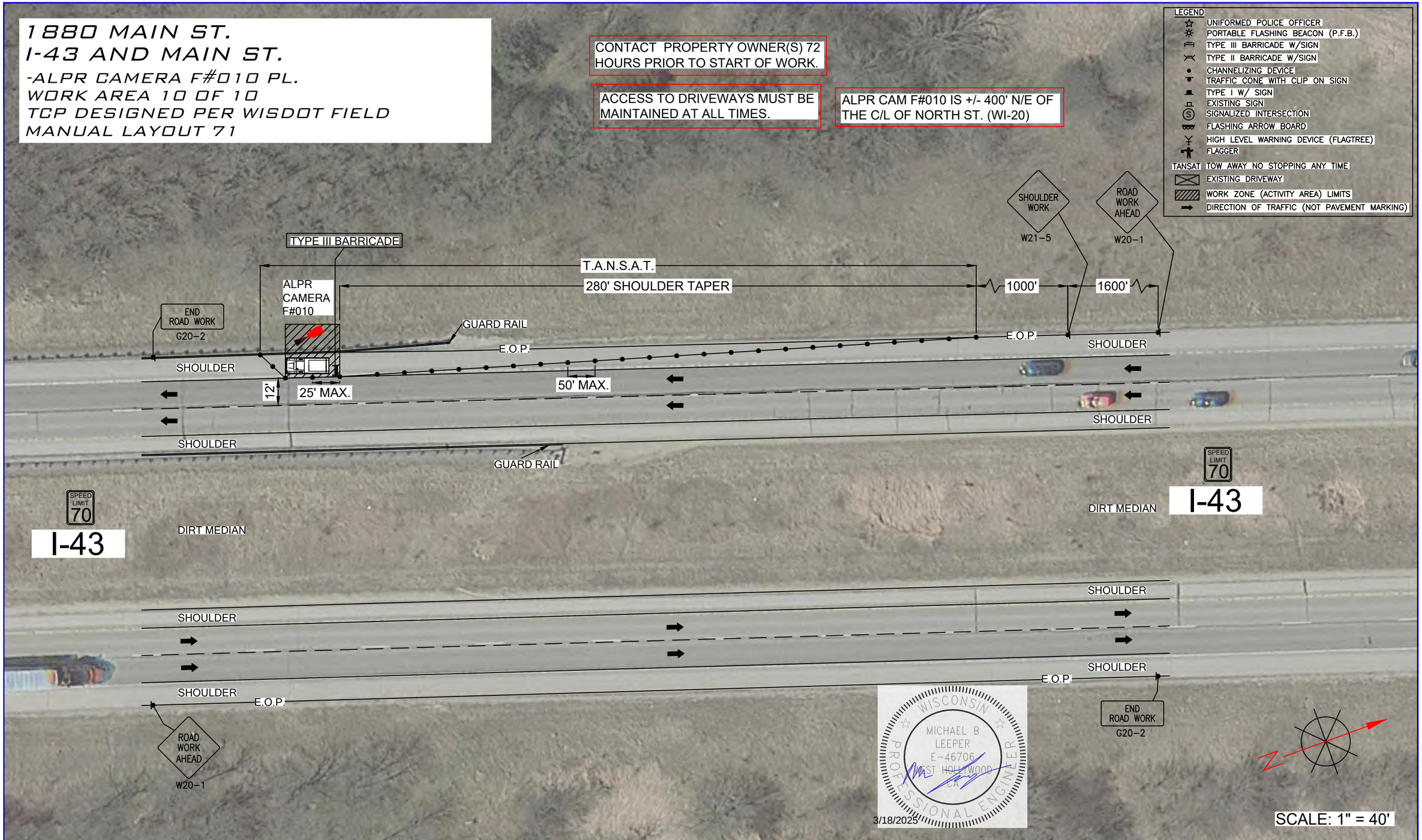
- DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)



WISCONSIN PROFESSIONAL ENGINEER
MICHAEL B LEEPER
E-46706
WEST HOLLYWOOD CA
3/18/2025

SCALE: 1" = 40'

flock safety

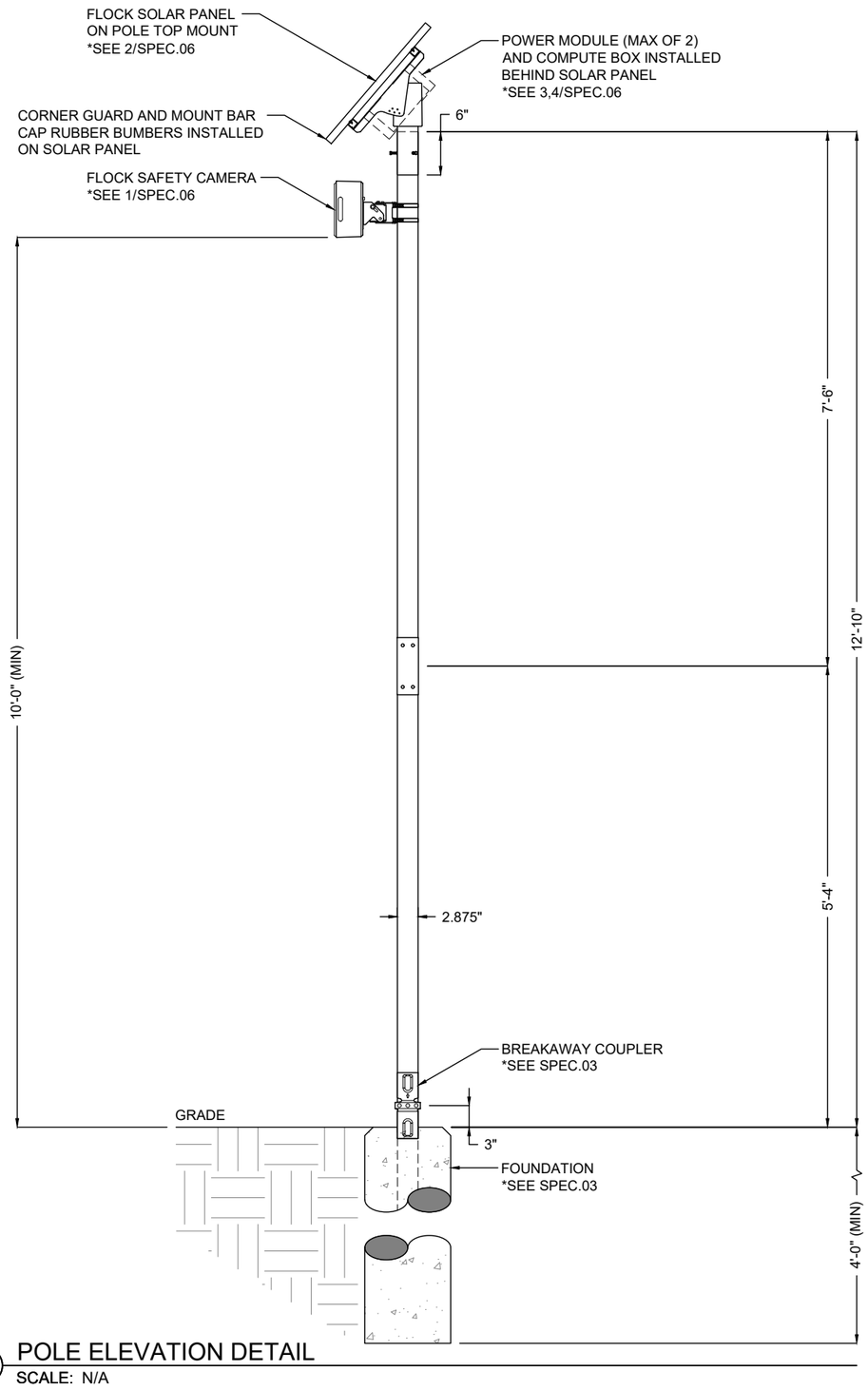
REV	DESCRIPTION	DATE	BY

TITLE: TRAFFIC CONTROL PLAN

SCOPE OF WORK: WISDOT ALPR CAMERA INSTALLATION

PLANS PREPARED BY:
CHC A CONGRUEX COMPANY
PO Box 59028
Norwalk, CA 90652
(949) 250-0004

PROJ#:	891348
DRAWN BY:	RAMAN DEEP SINGH
CHECKED BY:	RAMAN DEEP SINGH
APPROVED BY:	DANIELLE MAYBERRY
DATE: 02/07/2025	SHEET: 14 OF 20



1 POLE ELEVATION DETAIL
SCALE: N/A

DESIGN NOTES

1. POLE AND FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:
   1.1. 2009/2012/2015/2018/2021 INTERNATIONAL BUILDING CODE
   1.2. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMIN, TRAFFIC SIGNALS, 2015 EDITION.
2. POLE ANALYSIS AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWINGCRITERIA
   2.1. DESIGN WIND SPEED (Vult)): (SEE SECTION 2.6)
   2.2. RISK CATEGORY: II
   2.3. EXPOSURE CATEGORY: C
   2.4. TOPOGRAPHIC CATEGORY: 1
   2.5. SEISMIC DESIGN CRITERIA:
      2.5.1. SOIL SITE CLASS: D (ASSUMED)
      2.5.2. SPECTRAL RESPONSE, Ss: 1.000g (MAXIMUM)
      2.5.3. SPECTRAL RESPONSE, S1: 0.400G (MAXIMUM)
      2.5.4. SEISMIC DESIGN CATEGORY: B
   2.6. STRUCTURE BASE REACTIONS ARE CALCULATED AS FOLLOWS:

DESIGN WIND SPEED (MPH)	MOMENT (K-FT)	SHEAR (KIP)	AXIAL (KIP)
115	2.70	0.280	0.160
125	3.20	0.330	0.160
135 (MAX)	3.70	0.380	0.160

   2.7. SHOULD ANY OF THE SITE-SPECIFIC PARAMETERS BE HIGHER THAN WHAT IS NOTED ABOVE, THE EOR SHALL BE CONTACTED TO PROVIDE A REVISED DESIGN.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO INSTALLATION.
4. FOUNDATION TO CONSIST OF CONCRETE SURROUNDING THE PROPSED POLE WITH A MINMUM OF 3,000-PSI COMPRESSIVE STRENGTH.

GENERAL & CONSTRUCTION NOTES

1. CONTRACTOR SHALL CONTACT DESIGNATED AGENCY TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
3. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION.
4. ALL WORK SHALL CONFORM TO APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION STANDARDS SUPERSEDE.
5. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS DEFINED BY THE STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION, UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.

ADA COMPLIANCE NOTES

1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II, STATE DEPARTMENT OF TRANSPORTATION, AND LOCAL JURISDICTION STANDARDS,
2. STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS SHALL BE USED FOR PEDESTRIAN CONTROL PLANS WHEN CLOSURE OF SIDEWALK IS REQUIRED FOR CONSTRUCTION.
3. MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.
4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK. UP TO AN ELEVATION OD 7'-0" ABOVE GRADE.

MASH TL-3 TESTED AND APPROVED

ADDITIONAL WISCONSIN DEPARTMENT OF TRANSPORTATION NOTES

1. THE PRODUCT (POLE/PANEL/CAMERA) LABELED AS THE "X-SQRD BREAKAWAY SYSTEM" WAS TESTED AND THE RESULTS MEET THE APPROPRIATE AASHTO MASH EVALUATION CRITERIA AND MAY BE LOCATED WITHIN THE CLEAR ZONE AS APPROVED BY WISDOT.
2. FOUNDATION EMBEDMENT SHALL BE THE MINIMUM OF THE DIMENSIONS SPECIFIED, OR 6" BELOW THE FROST DEPTH APPLICABLE TO THE SITE LOCATION.
3. CONTRACTOR SHALL VERIFY FROST DEPTH PRIOR TO CONSTRUCTION.

[THIS SPACE LEFT INTENTIONALLY BLANK FOR STAMP]

XXXXX POLICE DEPARTMENT

XXX STREET ADDRESS
CITY, STATE XXXXX

flock safety
1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	XX/XX/2025	XXX	PRELIM

I HEARBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

[THIS SPACE LEFT INTENTIONALLY BLANK FOR STAMP]

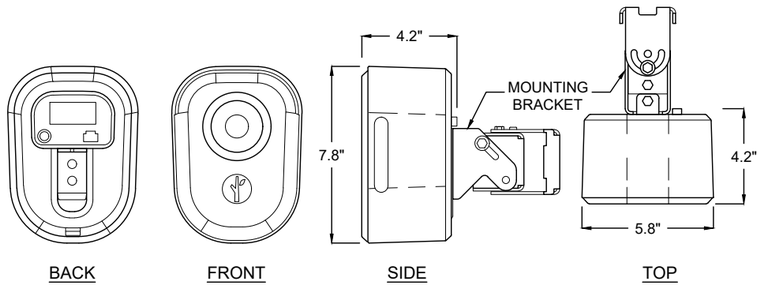
FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: XXXXXX
PERMITTING JURISDICTION: WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
SPEC.01	0

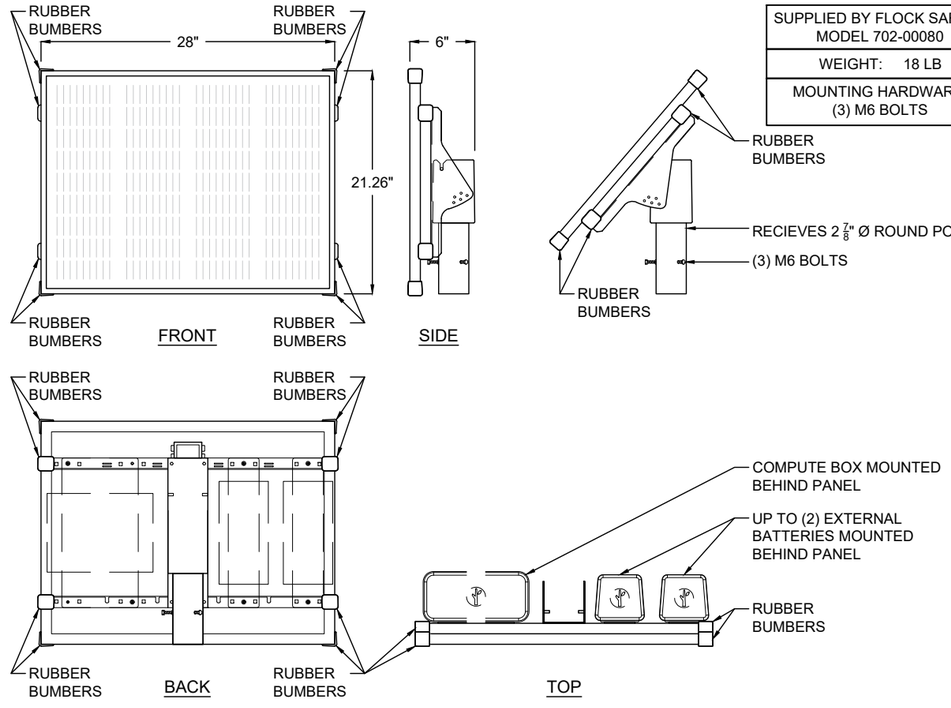
THIS DOCUMENT HAS BEEN DRAWN BASED OFF THE MOST RECENT AVAILABLE DATA & AERIAL IMAGERY. THIS INCLUDES RIGHT OF WAY, EXISTING UTILITIES, & PRIVATE PROPERTY LINES. IT REMAINS THE RESPONSIBILITY OF OTHERS TO VERIFY ALL DATA PRIOR AND EXISTING SURRONDING FACILITIES TO VERIFY & CONFLICTS ABOVE & BELOW GRADE.
ALL CONSTRUCTION TO FOLLOW WISCONSIN DEPARTMENT OF TRANSPORTATION GENERAL GUIDELINES. DO NOT SCALE DRAWINGS. CALL 811 PRIOR TO DIGGING.



SUPPLIED BY FLOCK SAFETY MODEL 706-0002
WEIGHT: 3.5 LB
MOUNTING HARDWARE: - FLOCK V3 MOUNTING BRACKET MODEL 204-00050 - MCMASTER-CARR QUICK-RELEASE CLAMP PART #: 5322K58 OR AN APPROVED EQUIVALENT

1 FLOCK SAFETY CAMERA

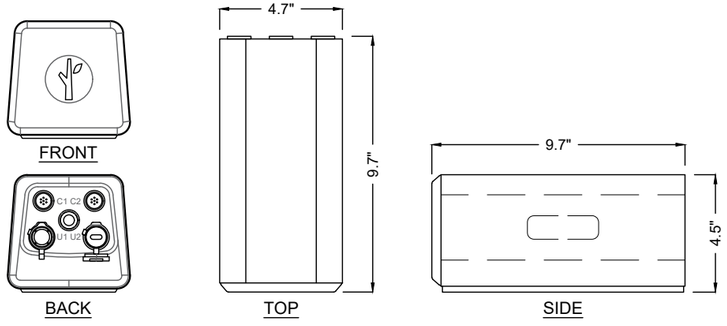
SCALE: N/A



SUPPLIED BY FLOCK SAFETY MODEL 702-00080
WEIGHT: 18 LB
MOUNTING HARDWARE: (3) M6 BOLTS

2 65 WATT SOLAR PANEL AND MOUNT ASSEMBLY (TOP MOUNTED)

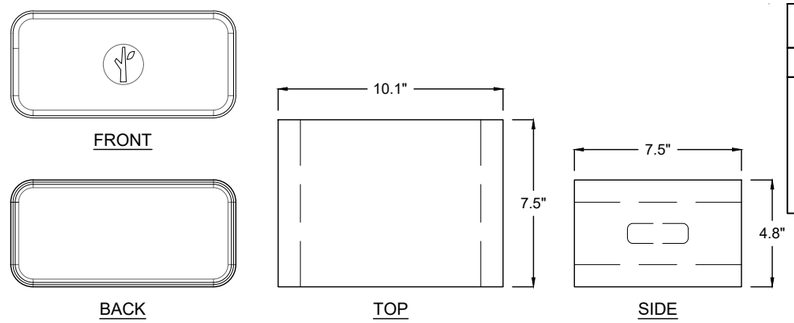
SCALE: N/A



SUPPLIED BY FLOCK SAFETY MODEL 705-0002
WEIGHT: 5.9 LB
MOUNTING HARDWARE: - FLOCK MOUNTING BRACKET MODEL 204-00101 - MCMASTER-CARR QUICK-RELEASE CLAMP PART #: 5322K58 OR AN APPROVED EQUIVALENT

3 POWER MODULE

SCALE: N/A



SUPPLIED BY FLOCK SAFETY MODEL 705-0002
WEIGHT: 4.6 LB
MOUNTING HARDWARE: - FLOCK MOUNTING BRACKET MODEL 204-00102 - MCMASTER-CARR QUICK-RELEASE CLAMP PART #: 5322K58 OR AN APPROVED EQUIVALENT

4 FLOCK COMPUTE BOX

SCALE: N/A

[THIS SPACE LEFT INTENTIONALLY BLANK FOR STAMP]

XXXXX POLICE DEPARTMENT

XXX STREET ADDRESS
CITY, STATE XXXXX

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	XX/XX/2025	XXX	PRELIM

I HEARBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

[THIS SPACE LEFT INTENTIONALLY BLANK FOR STAMP]

FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: XXXXXX
PERMITTING JURISDICTION: WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
SPEC.02	0

THIS DOCUMENT HAS BEEN DRAWN BASED OFF THE MOST RECENT AVAILABLE DATA & AERIAL IMAGERY. THIS INCLUDES RIGHT OF WAY, EXISTING UTILITIES, & PRIVATE PROPERTY LINES. IT REMAINS THE RESPONSIBILITY OF OTHERS TO VERIFY ALL DATA PRIOR AND EXISTING SURRONDING FACILITIES TO VERIFY & CONFLICTS ABOVE & BELOW GRADE.
ALL CONSTRUCTION TO FOLLOW WISCONSIN DEPARTMENT OF TRANSPORTATION GENERAL GUIDELINES. DO NOT SCALE DRAWINGS. CALL 811 PRIOR TO DIGGING.

ITEM NO.	DESCRIPTION	QTY.
1	0.250-20 X 0.750 BT TX TAMPER-RESISTANT	6
2	2" SCH 40 2.375OD 0.154WALL - GALVANIZED STEEL	1
3	2.875OD X 0.203 WALL X 46.000L - 6061-T6 ALUMINUM	1
4	2.875OD X 0.203 WALL X 60.875L - 6061-T6 ALUMINUM	1
5	2.875OD X 0.203 WALL X 90.000L - 6063-T52 ALUMINUM	1
6	BRAIDED SLEEVE	1
7	DESIGNOVATIONS BREAKAWAY ROUND POST 2.875OD MODEL S300R	1
8	CONCRETE FOOTING	1
9	HBOLT ANTI ROTATION	1
10	INSERT SLEEVE STYLE 7 TAPPED	1
11	ORING SQ	1
12	WASHER 0.250 SPLIT LOCK 0.260 X 0.487 X 0.062	6
13	BOLT 0.250-20 X 3.500 X 0.750 HX BLACK WITH NUT 0.250-20 HX BLACK	1

PROVELI STYLE 7 COUPLER ASSEMBLY

MASH BREAKAWAY DETAILS

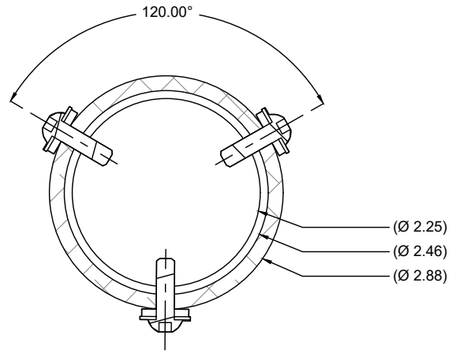
PART #: SP-7/MASH

MATERIAL: SCHED 40 6061 T6 ALUMINUM

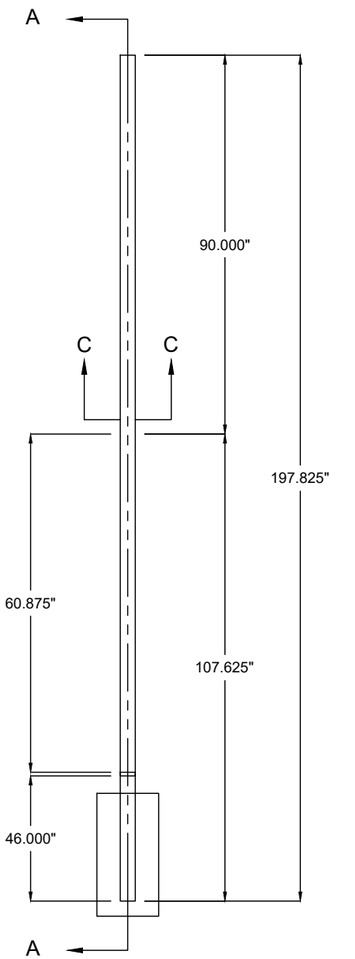
WEIGHT: 232.39 LBS

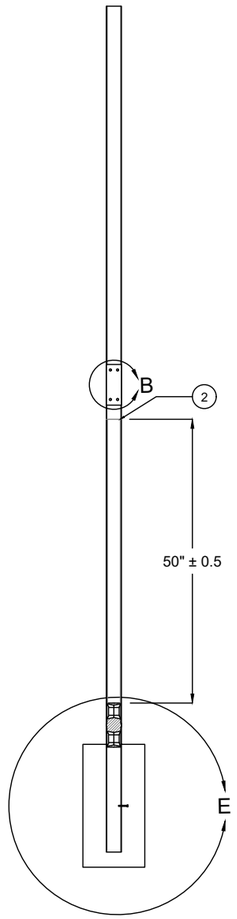
DATE: 01/11/2024

DO NOT SCALE DRAWINGS (NTS)



SECTION C-C





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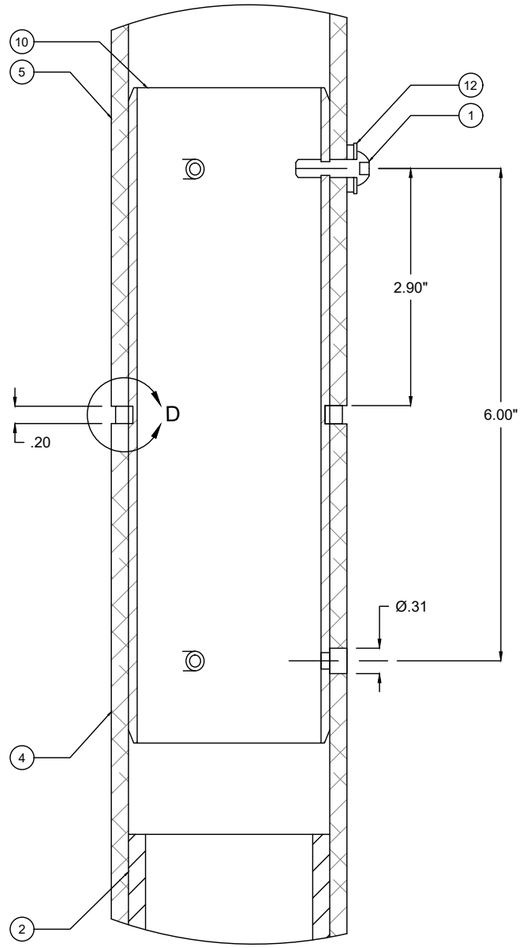
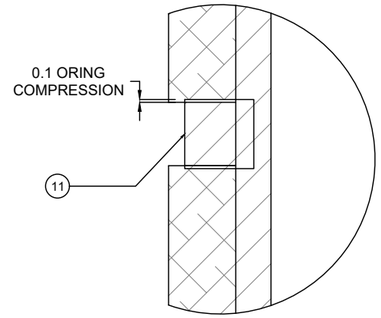
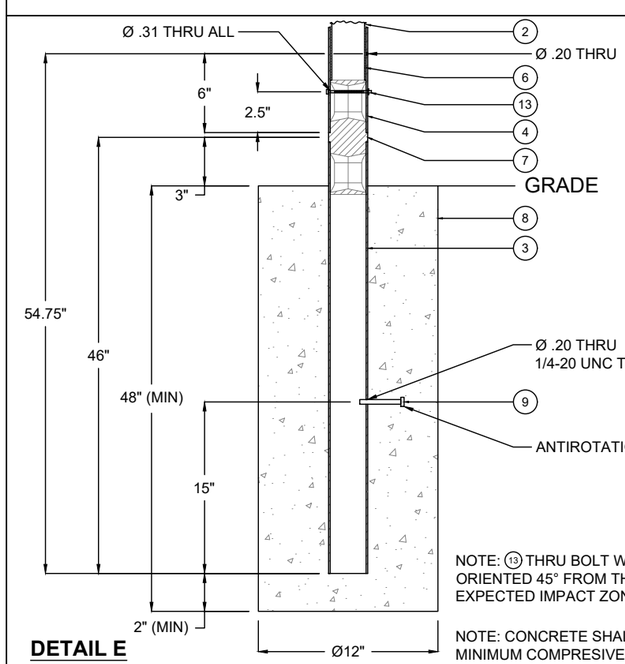


DETAIL B



DETAIL D



NOTE: (13) THRU BOLT WILL BE ORIENTED 45° FROM THE EXPECTED IMPACT ZONE.

NOTE: CONCRETE SHALL HAVE A MINIMUM COMPRESIVE STRENGTH OF 3,000 PSI.

DETAIL E

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XXXXX POLICE DEPARTMENT

XXX STREET ADDRESS
CITY, STATE XXXXX

flock safety

1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	XX/XX/2025	XXX	PRELIM

I HEARBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

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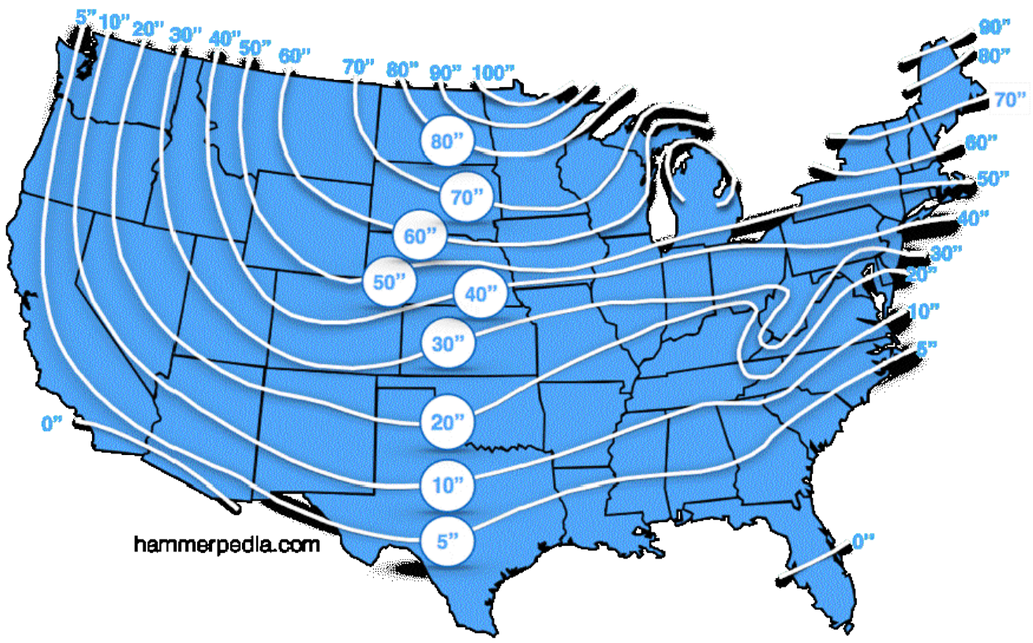
FLOCK SAFETY EQUIPMENT INSTALLATION

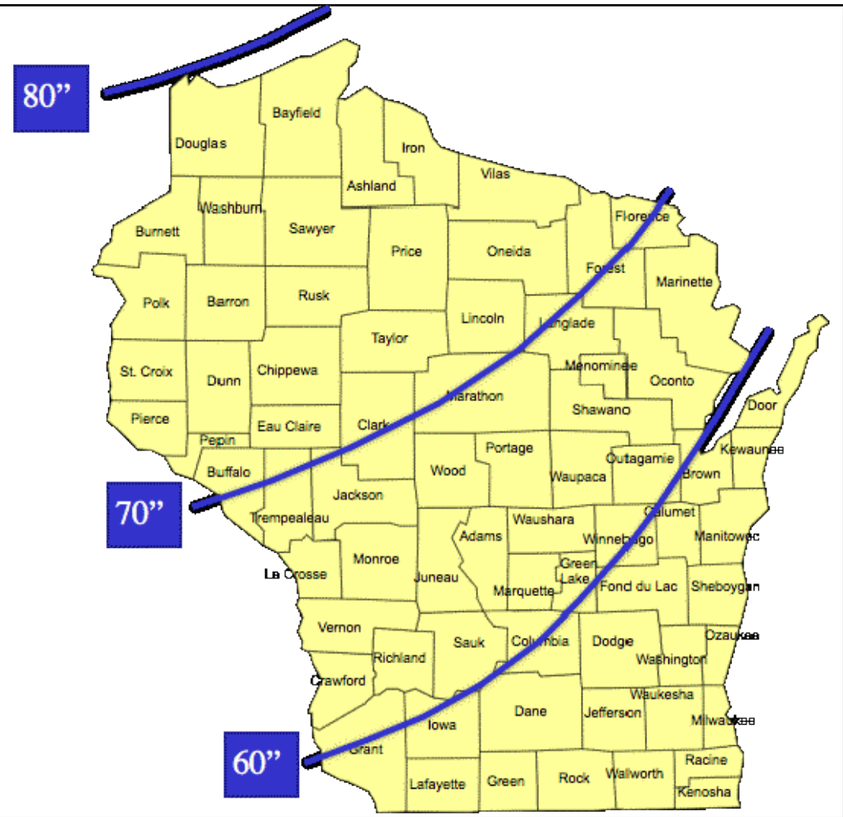
CASE NUMBER: XXXXXX
PERMITTING JURISDICTION: WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
SPEC.03	0

THIS DOCUMENT HAS BEEN DRAWN BASED OFF THE MOST RECENT AVAILABLE DATA & AERIAL IMAGERY. THIS INCLUDES RIGHT OF WAY, EXISTING UTILITIES, & PRIVATE PROPERTY LINES. IT REMAINS THE RESPONSIBILITY OF OTHERS TO VERIFY ALL DATA PRIOR AND EXISTING SURRONDING FACILITIES TO VERIFY & CONFLICTS ABOVE & BELOW GRADE.
ALL CONSTRUCTION TO FOLLOW WISCONSIN DEPARTMENT OF TRANSPORTATION GENERAL GUIDELINES. DO NOT SCALE DRAWINGS. CALL 811 PRIOR TO DIGGING.





COUNTY	DESIGN FROST DEPTH (IN.)	COUNTY	DESIGN FROST DEPTH (IN.)	COUNTY	DESIGN FROST DEPTH (IN.)
ADAMS	70	IRON	80	PRICE	80
ASHLAND	80	JACKSON	80	RACINE	60
BARRON	80	JEFFERSON	60	RICHLAND	70
BAYFIELD	80	JUNEAU	70	ROCK	60
BROWN	60	KENOSHA	60	RUSK	80
BUFFALO	80	KEWAUNEE	60	SAINT CROX	80
BURNETT	80	LA CROSSE	70	SAUK	70
CALUMET	60	LAFAYETTE	60	SAWYER	80
CHIPPEWA	80	LANGLADE	70	SHAWANO	70
CLARK	70	LINCOLN	80	SHEBOYGAN	60
COLUMBIA	60	MANITOWOC	60	TAYLOR	80
CRAWFORD	70	MARATHON	80	TREMPEALEAU	80
DANE	60	MARINETTE	60	VERNON	70
DODGE	60	MARQUETTE	70	VILAS	80
DOOR	60	MENOMINEE	70	WALWORTH	60
DOUGLAS	80	MILWAUKEE	60	WASHBURN	80
DUNN	80	MONROE	70	WASHINGTON	60
EAU CLAIRE	80	OCONTO	60	WAUKESHA	60
FLORENCE	70	ONEIDA	80	WAUPACA	70
FOND DU LAC	60	OUTAGAMIE	70	WAUSHARA	70
FOREST	70	OZAUKEE	60	WINNEBAGO	70
GRANT	60	PEPIN	80	WOOD	70
GREEN	60	PIERCE	80		
GREEN LAKE	70	POLK	80		
IOWA	60	PORTAGE	70		

NOTE:
1. ESTIMATED FROST DEPTHS FOR VARIOUS COUNTIES ARE LISTED IN THE ABOVE TABLES.
2. CONTRACTOR TO VERIFY FROST DEPTH IN ACCORDANCE WITH LOCAL JURISDICTION REQUIREMENTS.
3. FOUNDATION EMBEDMENT SHALL BE THE MNIIMUM OF THE DIMESNIONS SPECIFIED, OR 6" BELOW THE FROST DEPTH APPLICABLE TO THE SITE LOCATION.

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XXXXX POLICE DEPARTMENT

XXX STREET ADDRESS
CITY, STATE XXXXX

flock safety
1170 HOWELL MILL ROAD SUITE 210
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
0	XX/XX/2025	XXX	PRELIM

I HEARBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF WISCONSIN.

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FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: XXXXXX
PERMITTING JURISDICTION: WISCONSIN DEPARTMENT OF TRANSPORTATION

COVER SHEET & LOCATION MAPS

SHEET:	REV:
SPEC.04	0

THIS DOCUMENT HAS BEEN DRAWN BASED OFF THE MOST RECENT AVAILABLE DATA & AERIAL IMAGERY. THIS INCLUDES RIGHT OF WAY, EXISTING UTILITIES, & PRIVATE PROPERTY LINES. IT REMAINS THE RESPONSIBILITY OF OTHERS TO VERIFY ALL DATA PRIOR AND EXISTING SURRONDING FACILITIES TO VERIFY & CONFLICTS ABOVE & BELOW GRADE.
ALL CONSTRUCTION TO FOLLOW WISCONSIN DEPARTMENT OF TRANSPORTATION GENERAL GUIDELINES. DO NOT SCALE DRAWINGS. CALL 811 PRIOR TO DIGGING.

Attachment 1 - Environmental Checklist

Note: To print the Checklist, click on the icon and set *Pages to Print* to "⊙ Pages 3-5"

Include this Checklist and any supplemental documentation with form dt1553, *Application/Permit to Construct, Operate and Maintain Utility Facilities on Highway Right-of-Way.* The application will be returned if the Checklist is not included or is incomplete.

Answer the following questions related to the proposed utility project to show environmental compliance or coordination with various agencies/Tribes. WisDOT's permit approval does not relieve a utility from compliance with all applicable federal, state, local and tribal laws, codes, regulations, and ordinances and shall not be construed as superseding any other governmental agency's more restrictive requirements. Keep all supporting documents on file with WisDOT's permit for its duration and provide upon request.

Remember: Supporting documentation may be required to prove environmental coordination with a regulatory agency on the Checklist. If an agency does not require documentation, a utility is not required to submit it to WisDOT. However, supply documentation if it may be helpful in WisDOT's review of the Checklist, e.g., permits, approvals, certifications, checklists, correspondence, website screenshots/PDFs, mapping, etc. Checkboxes that only have yes, no, or not applicable answers are automatically set to no or not applicable.

1. *Aquatic Resource Impacts*

Use the Wisconsin Wetland Inventory maps and the DNR Surface Water Data Viewer (SWDV) to identify waterways, surface waters and potential wetlands. These tools are not comprehensive, and field surveys may be required to identify aquatic resources within the footprint of a proposed project. Consult with Department of Natural Resources and U.S. Army Corps of Engineers as needed.

Does the proposed project have the potential to impact any aquatic resources (wetlands, waterways, etc.)?

☒ No – Skip to question 2 ☐ Yes – Continue below

State Wetland/Waterway Permit

Does the proposed project meet all necessary terms, conditions, and eligibility criteria to receive non-reporting coverage under the DNR utility general permit (DNR-GP3-2023) for wetland/waterway impacts?

☐ Yes – Project meets all requirements for DNR *non-reporting* utility general permit coverage

☐ No – Project received *reporting* utility general permit coverage or individual wetland/waterway permit
https://dnr.wisconsin.gov/topic/Sectors/UtilityPermitting.html

☒ Not applicable – Project is exempt from all wetland/waterway permitting requirements
Wetlands: https://dnr.wisconsin.gov/topic/Waterways/Permits/Exemptions.html
Waterways: https://dnr.wisconsin.gov/topic/Wetlands/permits/exemptions.html

☐ Not applicable – Project occurs wholly within boundaries of a Native American Nation or Tribal reservation and DNR does not have jurisdiction. See question 6.

Federal Wetland/Waterway Permit

Does the proposed project meet all necessary terms, conditions, and eligibility criteria to receive no-preconstruction notification (PCN) coverage under the USACE utility or other regional general permit (RGP) or a nationwide permit (NWP) for wetland/waterway impacts?
https://www.mvp.usace.army.mil/Missions/Regulatory/Permitting-Process-Procedures/

☐ Yes – Project meets all requirements for no-PCN coverage under a USACE RGP or NWP

☐ No – Project covered under USACE's RGP or NWP coverage obtained through submittal of a preconstruction notification or other Section 404 permit coverage.

☒ Not applicable – Project does not impact waters of the United States.

2. ***Protected Species***

Projects with the potential to affect protected species must be covered under the DNR Broad Incidental Take Permit/Authorization for No/Low Impact Activities or undergo an endangered resources preliminary assessment or review. A preliminary assessment may be completed through the DNR Natural Heritage Inventory (NHI Public Portal). An Endangered Resources Review may be conducted through the Endangered Resources Review Program.

All components of the proposed project covered under this permit:

Are covered by the **DNR Broad Incidental Take Permit/Authorization for No/Low Impact Activities**.

☒ **Table 1** and additional conditions are incorporated as required OR

☐ **Table 2** and additional conditions/avoidance measures are incorporated as required.

☐ Received one of the following results from the **NHI Public Portal preliminary assessment** . WisDOT encourages implementing DNR recommended actions By requesting an Endangered Resources Review.

- No further actions are needed
- Further actions are recommended
- Further actions are strongly recommended

☐ Are implementing all required actions from the **DNR Endangered Resources Review**. WisDOT also encourages implementation of DNR recommended actions.

☐ Are covered by a **DNR Individual Incidental Take Permit** and/or USFWS coordination under the Endangered Species Act.

3. ***Construction Site Stormwater Permits***

Projects that involve one acre or more of land disturbance require a utility to submit a Notice of Intent (NOI) erosion control permit under Wis. Adm. Code NR 216.

Does the proposed project affect one acre or more of land disturbance?

☒ No – Meets criterion ☐ Yes – Coordination completed

4. ***Erosion Control Plan & Stormwater Management Plans***

Does the proposed project meet the Trans 401 "Minor" category?

☒ Yes – Meets criterion for minor project ☐ No – Attach formal erosion control plan

For minor projects, immediately replace disturbed soil and topsoil and/or temporary seed and mulch the soil, which includes repairing equipment and vehicle tracks. Have erosion control devices (hay or straw bales, wattles, silt fence, erosion mat, etc.) at the site or immediately accessible in case weather conditions cause immediate action to protect bare or loose soil. Cover soil piles left overnight with plastic or protect with silt fence or other approved perimeter control devices on the downslope side to prevent possible runoff.

Does the proposed project require a Stormwater Management Plan?

☒ No – Meets criterion ☐ Yes – Coordination completed

For more information: DNR Erosion Control and Stormwater Management Plans

5. ***Wisconsin Historic Preservation Database***

Are any historic resources located within the proposed project limits?

☒ No – Meets criterion ☐ Yes – Coordination completed

Contact: State Historic Preservation Office or go to: Wisconsin Historic Preservation Database

6. ***Tribal Government Coordination***

Is any part of the work located within the reservation boundaries of a Native American Nation or Tribal reservation? Any utilities placed within a Native American Nation or Tribal reservation require Bureau of Indian Affairs (BIA)/Tribal approval prior to placing their facilities in WisDOT ROW.

☒ No – Meets criterion ☐ Yes – Coordination completed

Tribal Government Contacts: http://witribes.wi.gov/

Note: A utility must obtain a Tribal permit and BIA approval of a NEPA document to proceed with utility work on a STH within a Tribal Reservation. WisDOT's utility permit does not grant automatic approval.

7. *Open or Closed Contaminated Sites, DNR Water Supply Permit, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LUSTs)*

Does the proposed project affect any of these items?

Decision \ Item	Contaminated sites	DNR water supply permit	USTs	LUSTs
No – Meets criterion	☒	☒	☒	☒
Yes – Coordination completed	☐	☐	☐	☐

DNR: Wisconsin Remediation and Redevelopment Database (WRRD) and Remediation & Redevelopment (RR) Program staff contacts

DATCP: MyDATCP: Storage Tank Search
Region Environmental Coordinators and Regionwide SWECE and Mega/Major project coordinators

8. *Asbestos*

Does the project include replacement of asbestos wrapped utility conduit or Transite piping?

☒ No – Meets criterion ☐ Yes – Document who will complete required notification to the DNR or DHS, the abatement methods, and the disposal location.

9. *Project Comments*

Provide any additional comments or extenuating circumstances that may assist in the review of the project's environmental coordination. List all utility work request, project plan set, or other identification numbers or references included in the environmental coordination and permitting of the project.

Certification Statement: Upon executing the signature below, the signatory certifies that the Checklist is complete, all information is accurate and true, and all required environmental compliance/coordination is complete and on file with the utility.

Disclaimer: Any change in project scope requires this Checklist to be resubmitted and certified to reflect the most updated set of project details.

Signature: Dani Mayberry Date: 3/26/25

Name & Title (print): Dani Mayberry- Permitting Manager

Company: Flock Safety

Email: dani.mayberry@flocksafety.com

Trelos Engineering

8605 Santa Monica Blvd #73703
West Hollywood, CA 90069
(760) 809-4714

December 6, 2023

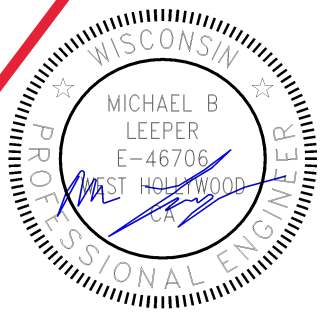
RE: X2-Pole

Building Code:	**2021 IBC / ASCE 7-16**
Design Standard:	**AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signal** **WISDOT Standard Specifications** **Texas A&M Evaluation, MASH TL-3 Dated September 2023**

The X2 pole has the same chemistry, mechanical properties and geometry as the tested 2.5" Schedule 40 pipe and it will meet the test and evaluation MASH criteria.

If you have any questions please call our office at (760) 809-4714

Respectfully,



Michael Leeper, PE

Flock Safety Tech Specs

License plate reading cameras that capture more evidence for your city.

Dual Solar Panels

- Voltage: 18-20V
- Weight: 25.73 lbs (with hardware)
- Length: 21.25″
- Width: 28″
- Mount: Pole top or side of existing pole

Pole

- DOT breakaway pole - 12′ installed height
- Diameter: 2.875″ OD, 2.125″ ID
- Material: 6061 Aluminum w/ black coating
- Alloy: 6061
- Weight: 32 lbs

Camera

- Length: 10.5″
- Height: 4.5″
- Depth: 5.5″
- Mounting: Adjustable band clamps
- Weight: 3.6 lbs
- Footage: Uploads via LTE
- Capture Distance: 20-90ft from vehicle
- Deployment Distance: Up to 25′ from edge of roadway
- Resolution: 2508x2048
- Vehicle Speed: up to 100 MPH
- Assembly: Flock Safety in Atlanta, GA

Install Anywhere

Solar &
Existing Pole

Solar &
Flock Pole

Electric &
Existing Pole

NE¼ of the NW¼ of Section 06 Township 4 North, Range 17 East Extended Fourth Principal Meridian Wisconsin

Area: 31.8 acres

Lat, Long: 42.84087, -88.5356

NW¼ of the SW¼ of Section 34 Township 1 North, Range 16 East Extended Fourth Principal Meridian Wisconsin

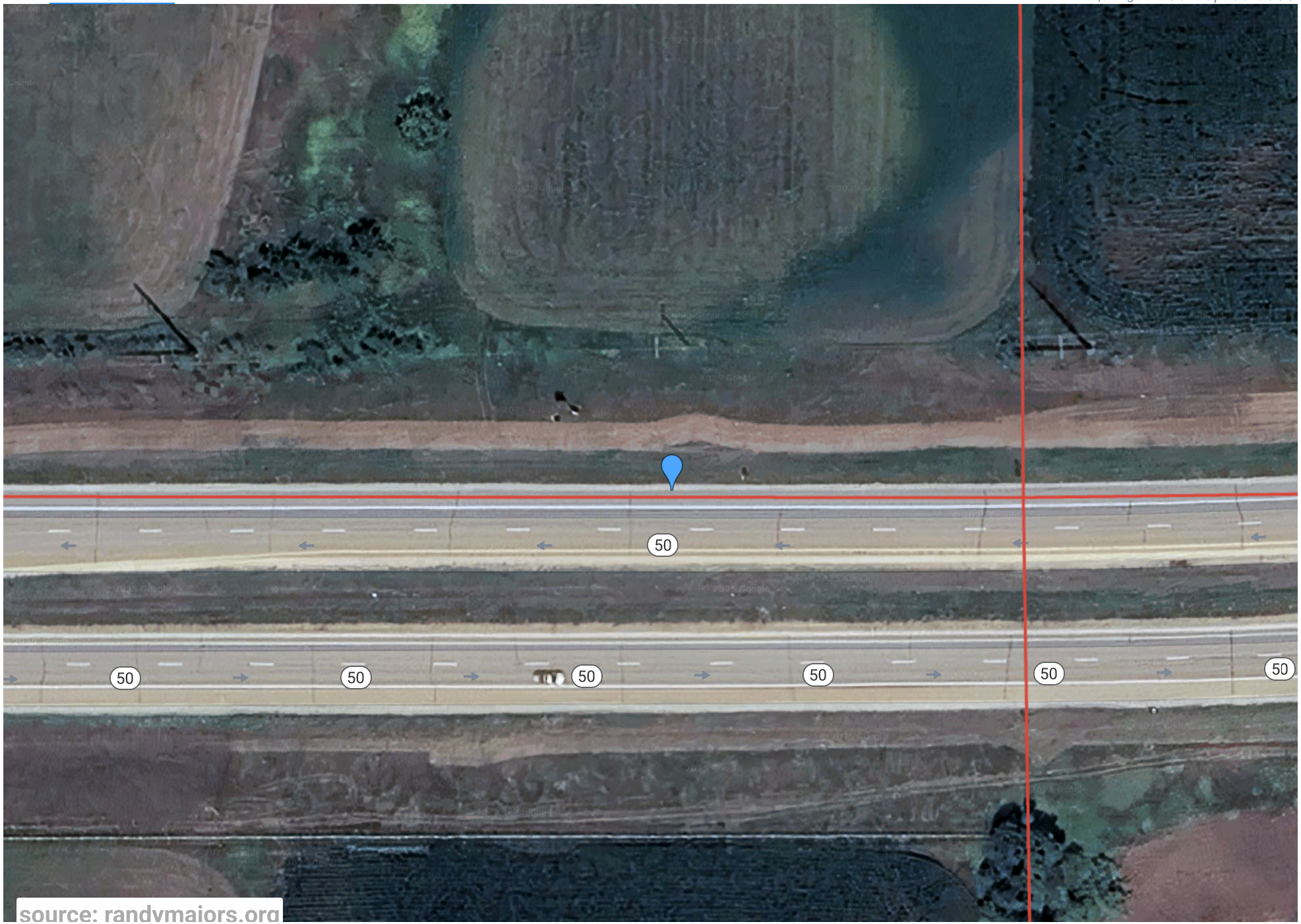
Area: 39.6 acres

Lat, Long: 42.50002, -88.5992

SE¼ of the SE¼ of Section 36 Township 2 North, Range 18 East Extended Fourth Principal Meridian Wisconsin

Area: 40.0 acres

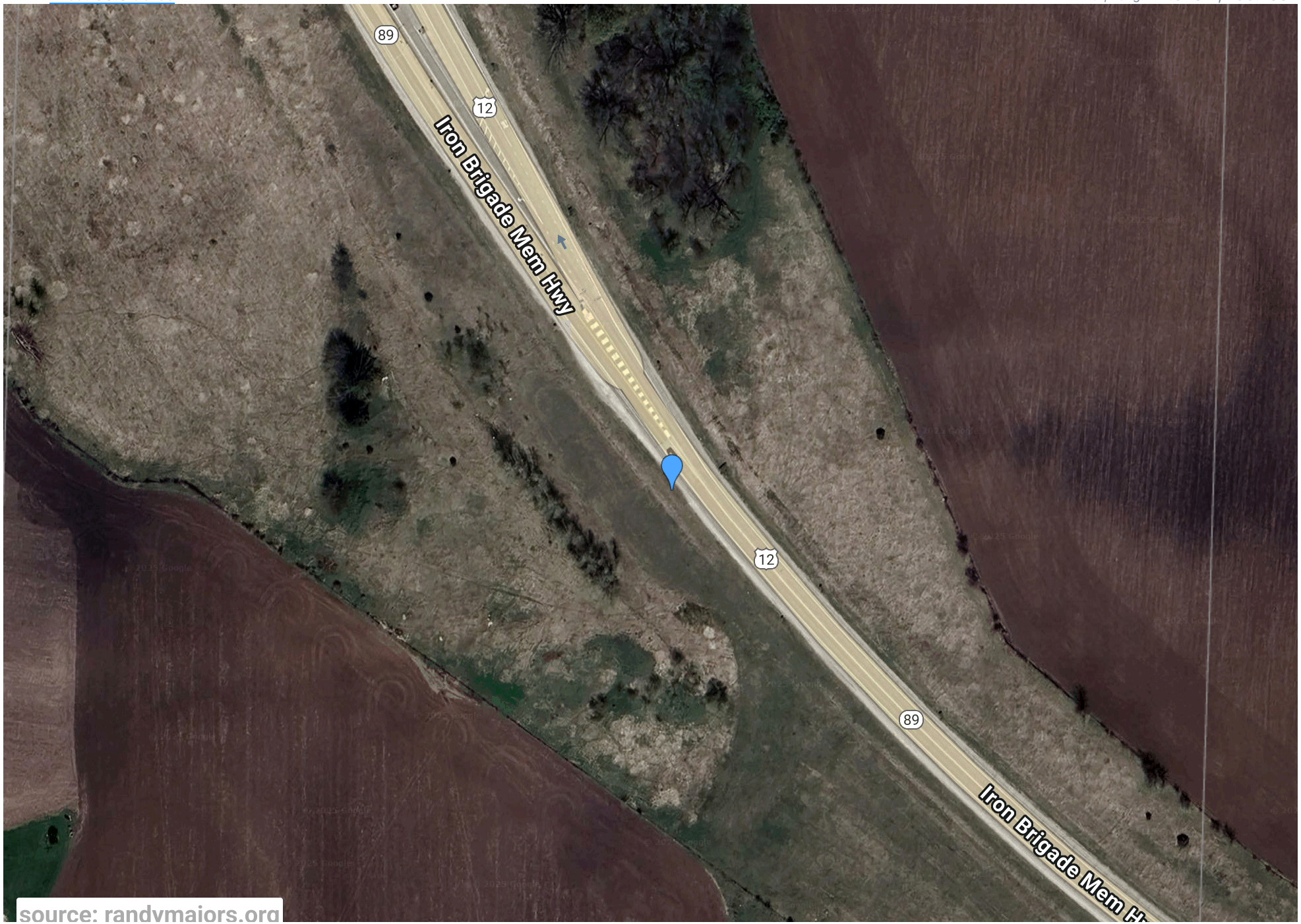
Lat, Long: 42.58173, -88.3066



NE¼ of the NW¼ of Section 07 Township 4 North, Range 15 East Extended Fourth Principal Meridian Wisconsin

Area: 39.9 acres

Lat, Long: 42.82511, -88.7691



NE¼ of the SW¼ of Section 36 Township 1 North, Range 18 East Extended Fourth Principal Meridian Wisconsin

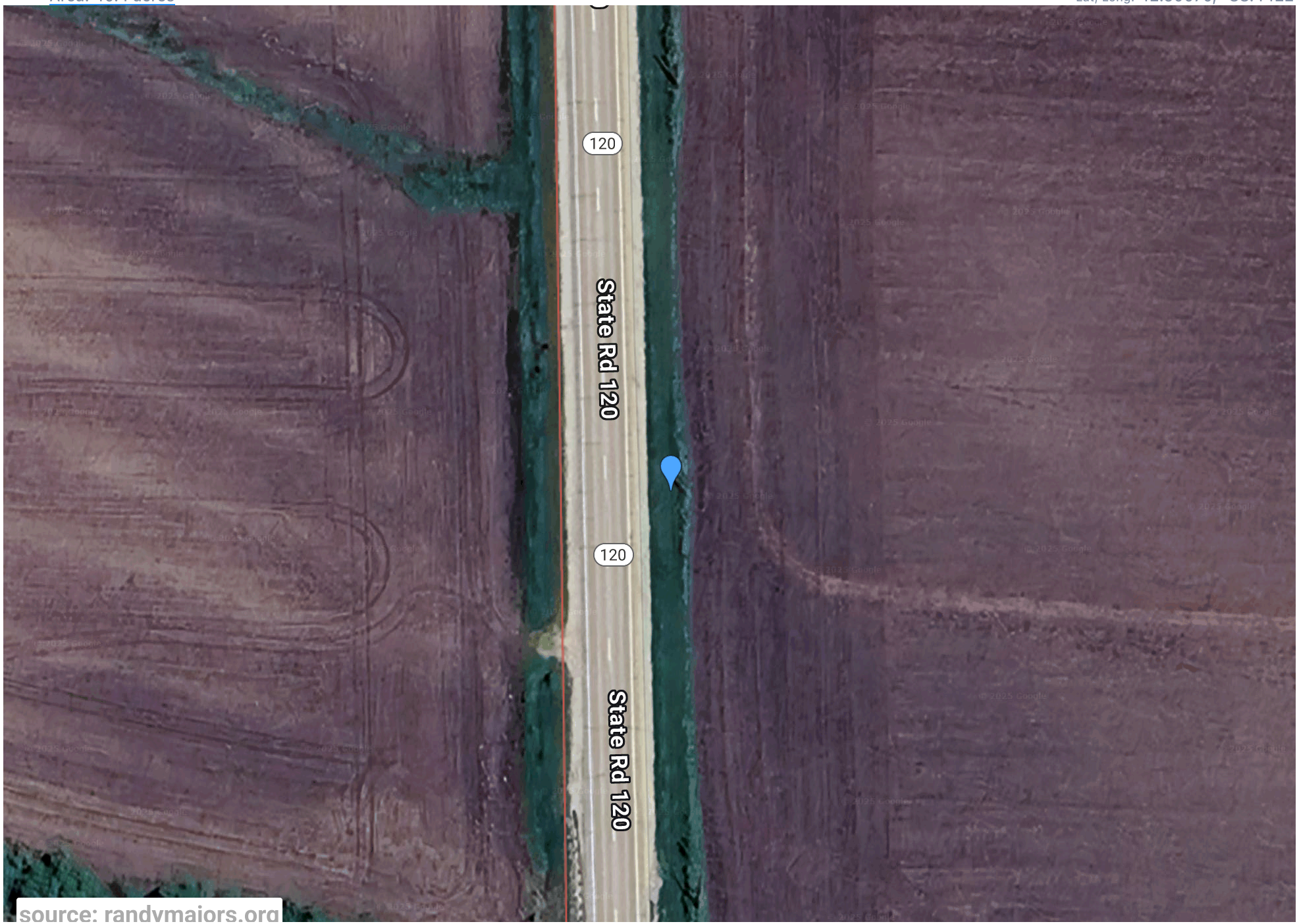
Area: 40.2 acres

Lat, Long: 42.49979, -88.3163

NW¼ of the SW¼ of Section 36 Township 1 North, Range 17 East Extended Fourth Principal Meridian Wisconsin

Area: 40.4 acres

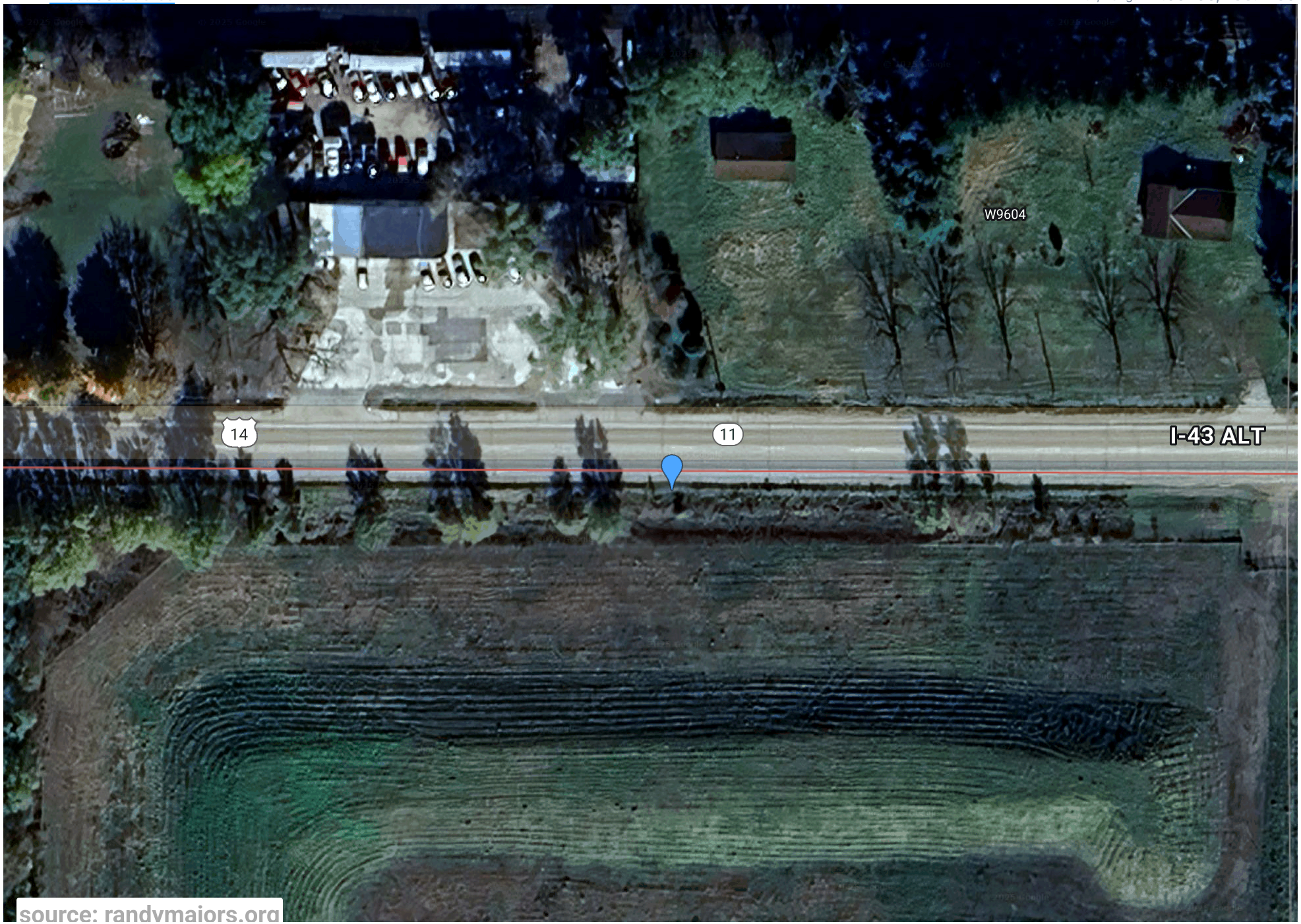
Lat, Long: 42.50070, -88.4422



NW¼ of the NW¼ of Section 07 Township 2 North, Range 15 East Extended Fourth Principal Meridian Wisconsin

Area: 36.5 acres

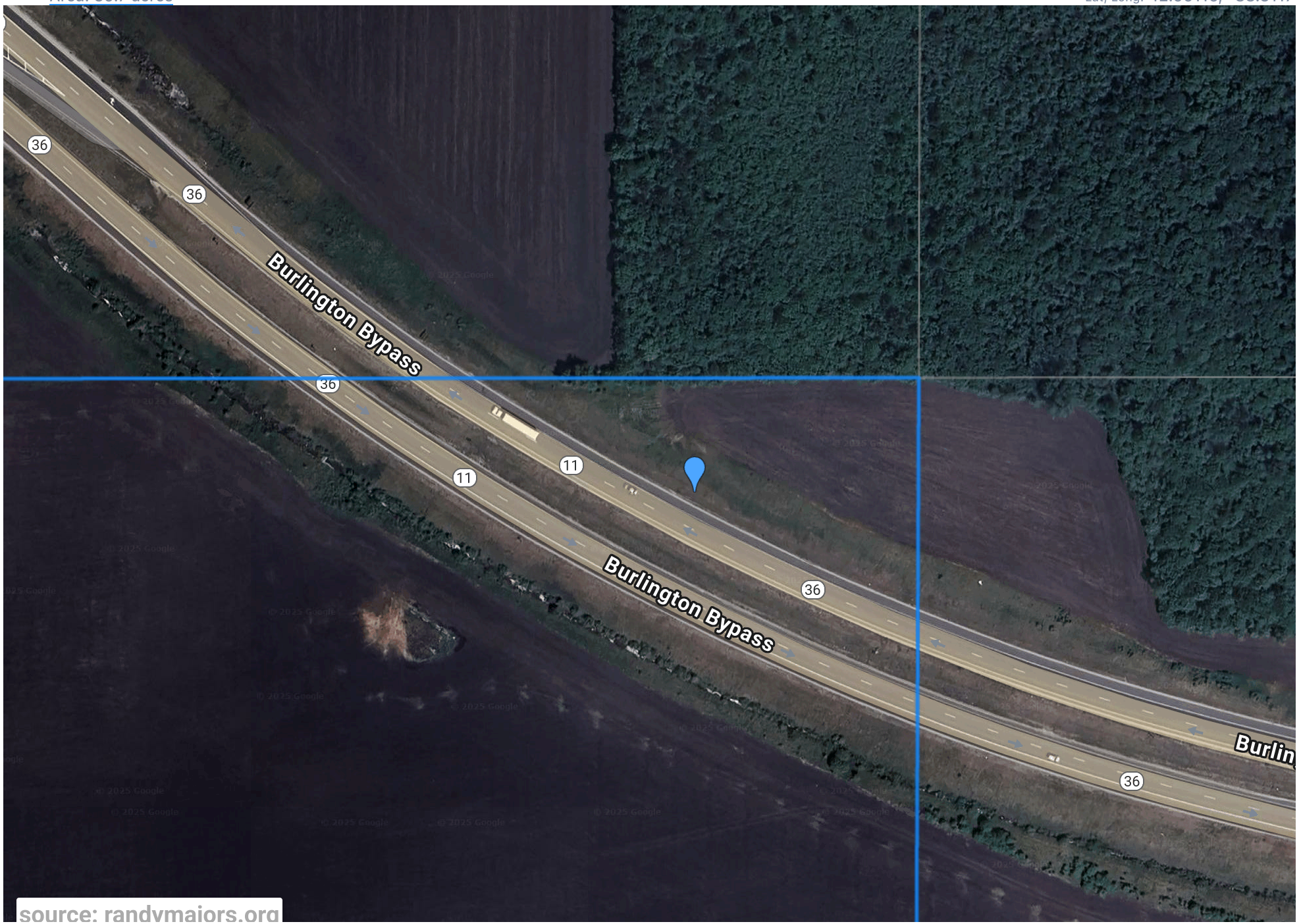
Lat, Long: 42.65266, -88.7735



NW¼ of the SE¼ of Section 01 Township 2 North, Range 18 East Extended Fourth Principal Meridian Wisconsin

Area: 39.7 acres

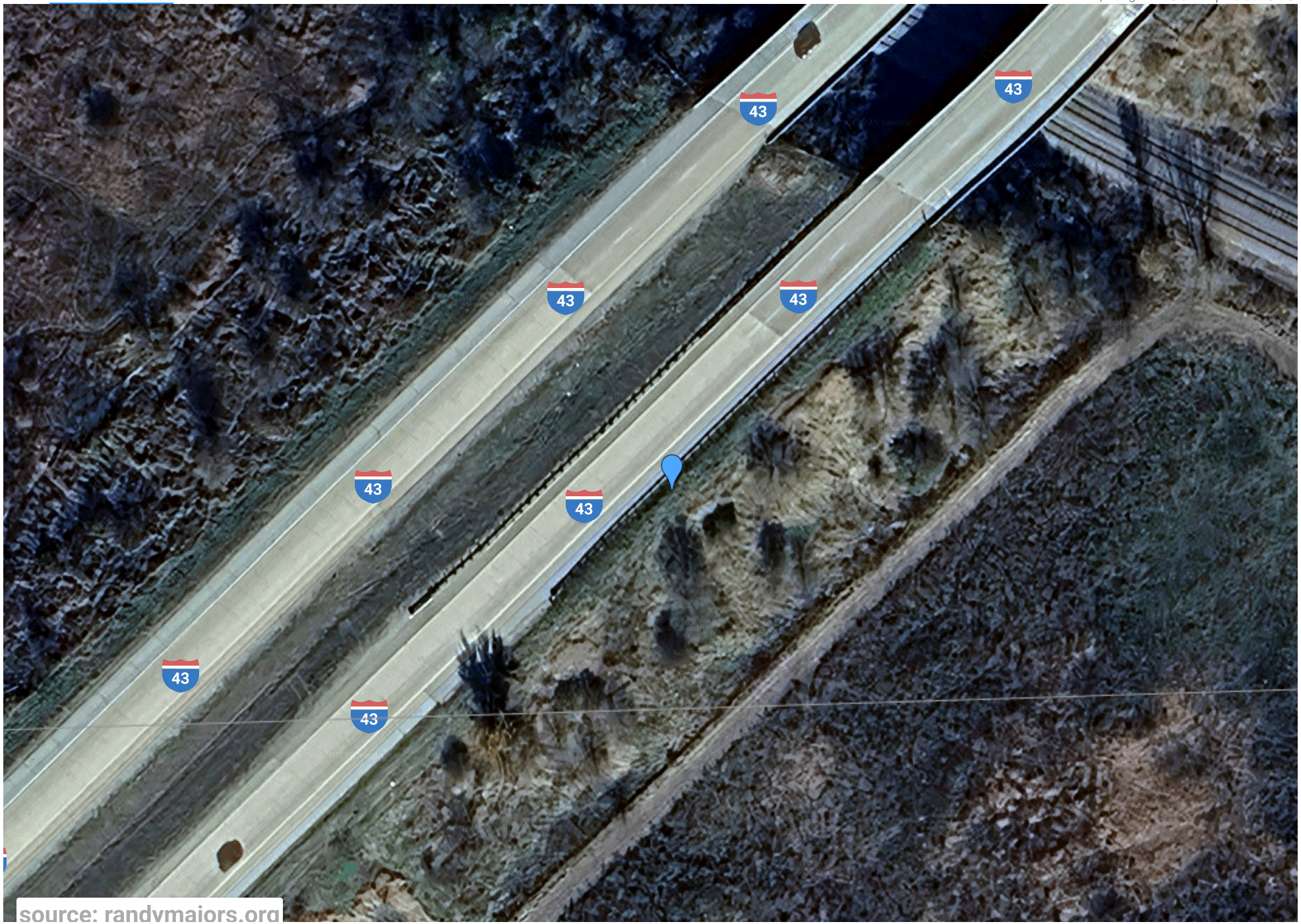
Lat, Long: 42.66116, -88.3117



SW¼ of the NW¼ of Section 32 Township 2 North, Range 15 East Extended Fourth Principal Meridian Wisconsin

Area: 39.7 acres

Lat, Long: 42.58771, -88.7545



SW¼ of the NW¼ of Section 21 Township 4 North, Range 18 East Extended Fourth Principal Meridian Wisconsin

Area: 39.7 acres

Lat, Long: 42.79344, -88.3849